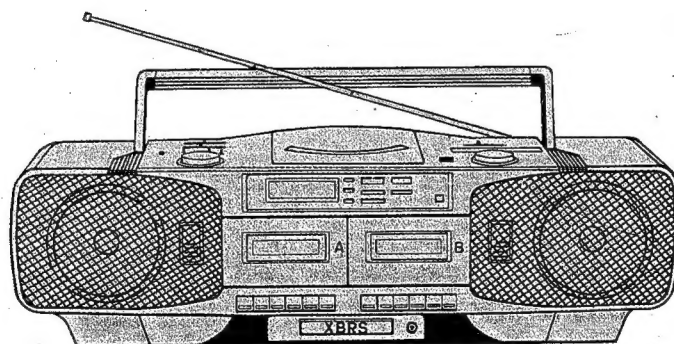




# Service Manual

## RCR-380


**MW/LW/FM STEREO COMPACT DISC  
PLAYER CASSETTE RECORDER**



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## SAFETY PRECAUTION

Many electrical and mechanical parts in this chassis have special safety-related features, which cannot necessarily be assured by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety features are identified in this manual, by a  in the schematic diagram and the parts list. Before replacing any of these components, read the parts list in this manual carefully. The use of substitute replacement parts which do not have the same safety characteristics as specified in the parts list may create shock, fire or other hazards.

## SPECIFICATIONS

### • GENERAL

POWER SOURCE .....	AC220V, 60Hz
POWER CONSUMPTION .....	About 30 WATT
WEIGHT (WITHOUT BATTERY) .....	About 6.2KG
DEMENSION (W×H×D) .....	700×208×220(mm)

### • MW RADIO

FREQUENCY RANGE .....	515 ~ 1630 kHz
I.F. ....	465kHz
MAXIMUM SENSITIVITY (600kHz, 1000kHz, 1400kHz) .....	54 dB
USABLE SENSITIVITY (600kHz, 1000kHz, 1400kHz) .....	60 dB
SIGNAL TO NOISE RATIO .....	30 dB
IF REJECTION .....	25 dB
IMAGE REJECTION RATIO .....	35 dB
SELECTIVITY .....	15 dB
T.H.D. ....	4%

### • FM RADIO

FREQUENCY RANGE .....	87.35 ~ 108.25 MHz
SIGNAL TO NOISE RATIO .....	40 dB
IMAGE REJECTION (90MHz, 98MHz, 106MHz) .....	25 dB
T.H.D. ....	3%
STEREO-SEPARATION .....	15 dB
AM SUPPRESSION RATIO .....	25 dB

### • LW RADIO

FREQUENCY RANGE .....	140 ~ 290kHz
INTERMEDIATE FREQUENCY .....	465kHz
MAXIMUM SENSITIVITY (160kHz, 200kHz, 260kHz) .....	58 dB
USABLE SENSITIVITY (160kHz, 200kHz, 260kHz) .....	70 dB
IMAGE REJECTION .....	25 dB
IF REJECTION .....	26 dB
SIGNAL TO NOISE RATIO .....	30 dB

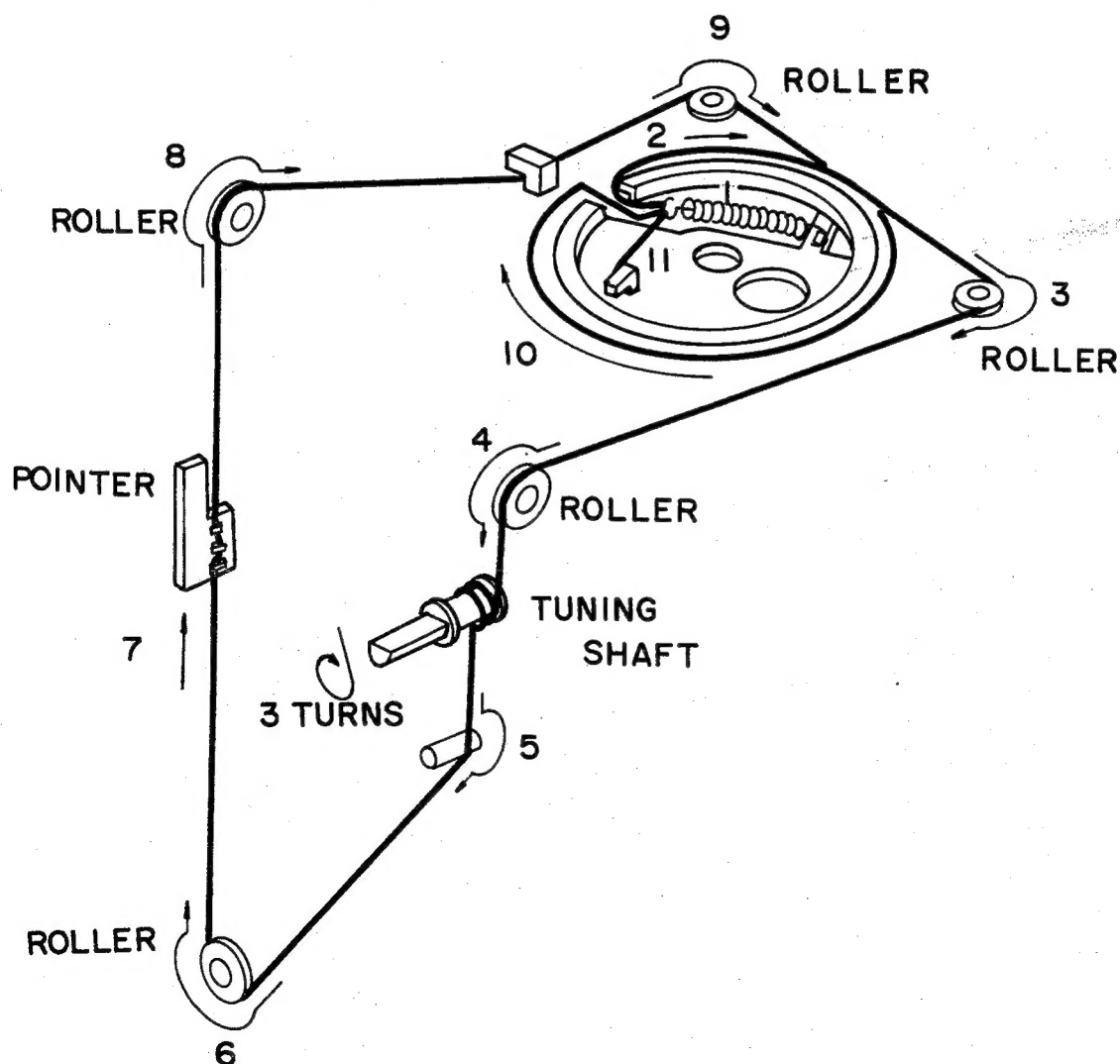
### • CASSETTE RECORDER

WOW & FLUTTER .....	0.35%
FREQUENCY RESPONSE .....	125Hz ~ 6.3kHz
DISTORTION (PLAY, REC/PLAY) .....	3%, 6%
SIGNAL TO NOISE RATIO (PLAY, REC/PLAY) .....	40 dB, 35 dB
TRACK CROSS TALK .....	50 dB
CHANNEL SEPARATION.....	20 dB
ERASE RATIO.....	55 dB

# • CD PLAYER

SYSTEM .....	Compact disc digital audio system
DISC .....	Compact disc
LASER .....	Semiconductor Laser
SPINDLE SPEED .....	200 r.p.m. to 500 r.p.m.
ERROR CORRECTION SYSTEM .....	Cross Interleave Reed & Solomon Code (CIRC)
SCAN VELOCITY .....	1.2~1.4 m/sec.
NUMBER OF CHANNELS .....	2 Channel
SIGNAL TO NOISE RATIO .....	90 dB (at 1kHz)
FREQUENCY RESPONSE .....	5~20,000Hz
HARMONIC DISTORTION .....	Less than 0.05% (at 1kHz)
DYNAMIC RANGE .....	More than 90 dB
CHANNEL SEPARATION .....	More than 80 dB (at 1kHz)
WOW AND FLUTTER .....	Below measurable limit

## DIAL CORD ARRANGEMENT



## ADJUSTMENT

### —RADIO ADJUSTMENT—

#### EQUIPMENT NEEDED

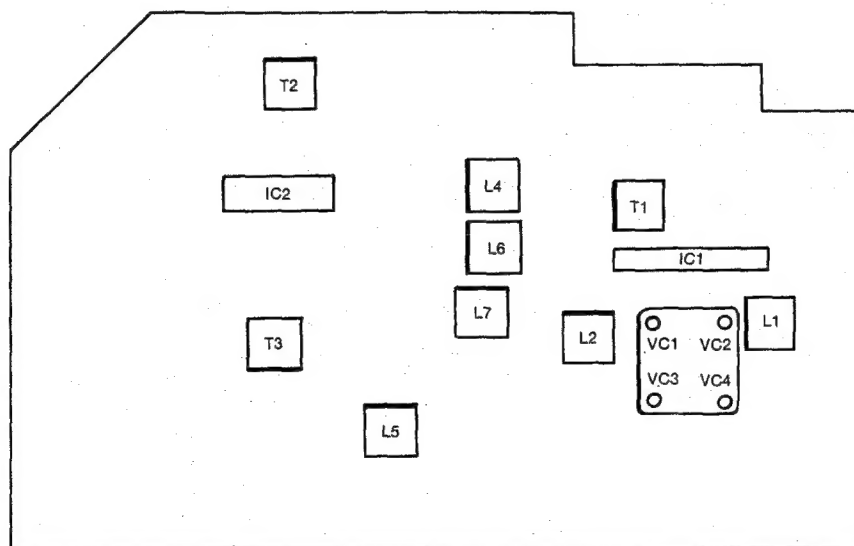
- |                               |                                |
|-------------------------------|--------------------------------|
| 1. AM Signal Generator        | 7. Frequency Counter           |
| 2. FM Signal Generator        | 8. Nonmetallic Alignment Tools |
| 3. AM/FM IF Genescope         | 9. Test Tape: MTT-111 (3kHz)   |
| 4. FM Stereo Singal Generator |                                |
| 5. Oscilloscope               |                                |
| 6. Output Meter (SSVM)        |                                |

#### IMPORTANT

1. Check power source volitage.
2. Set the function switch to band being aligned.
3. Keep the singal input as low as possible to adjust accurately.
4. Modulation and modulation frequency:

Band \ Item	Modulation	Modulation frequency
AM	1 KHz	30%
FM	1 KHz	22.5 KHz Dev.

#### TEST & ADJUSTMENT

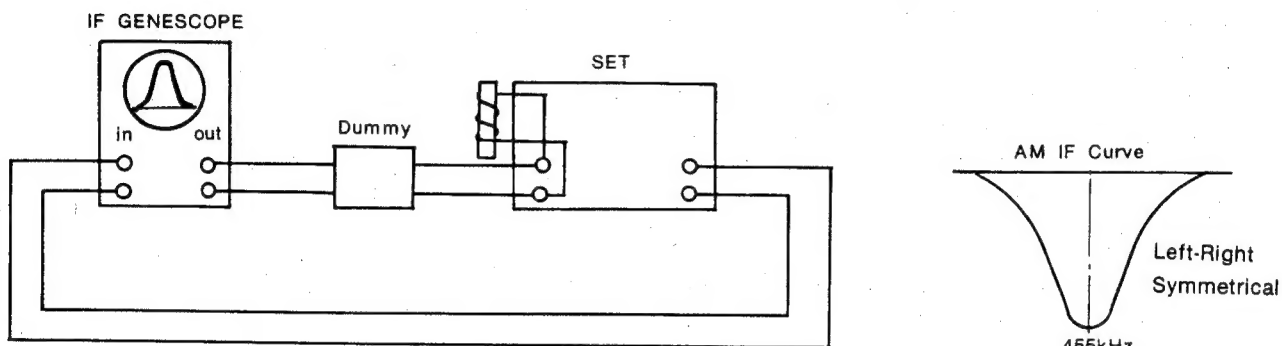


## • MW IF ADJUSTMENT

IF Genescope ..... The input connects on No. 9 of IC2 and the output connects the body of AM Antenna coil (L3) through dummy.

Adust for the IF waveform of Genescope to be masimum.

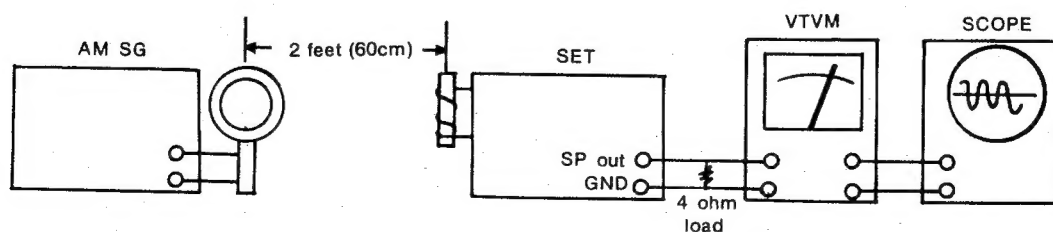
Step	Dial pointer position	Genescope output (KHz)	Adjustment
1	Highest frequency	465	T2
2	Repeat step 1 several times.		



## • MW RF ADJUSTMENT

Signal Generator ..... Connects to the MW antenna coil L3 through the loop antenna. Adjust for the indicatio of SSVW or the waveform of scope to be maximum.

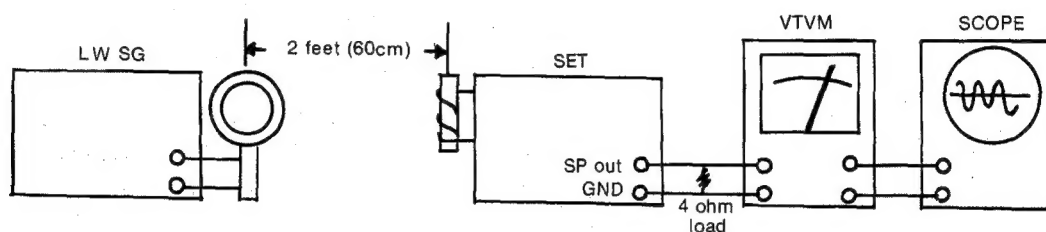
Step	Dial pointer position	SG. output (KHz)	Adjustment
1	Lowest frequency	515	L4
2	Highest frequency	1630	TC4
3	Repeat steps 1 and 2 Several times.		
4	600 KHz	600	L3
5	1400 KHz	1400	TC3
6	Repeat steps 4 and 5 Several times.		



### • LW RF ADJUSTMENT

Signal Generator ..... Connects to the LW antenna coil L3 through the loop antenna.  
Adjust for the indication of SSVM or the waveform of scope to be maximum.

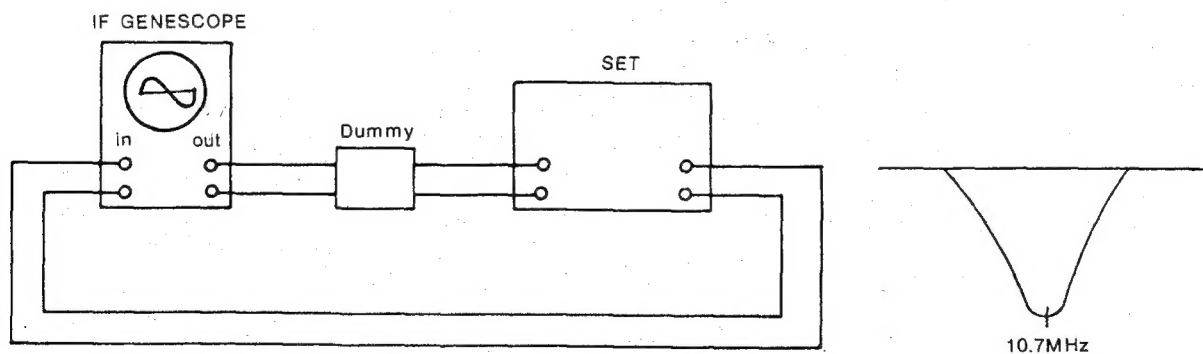
Step	Dial pointer position	SG. output	Adjustment
1	Lowest frequency	140KHz	L6
2	Highest frequency	290KHz	TC6
3	Repeat steps 1 and 2 Several times.		
4	160KHz	160KHz	L3
5	260KHz	260KHz	TC5
6	Repeat steps 4 and 5 Several times.		



### • FM IF ADJUSTMENT

IF Genescope ..... The input connects to body of IC1 and the output connects No. 17 of IC2 through the dummy.

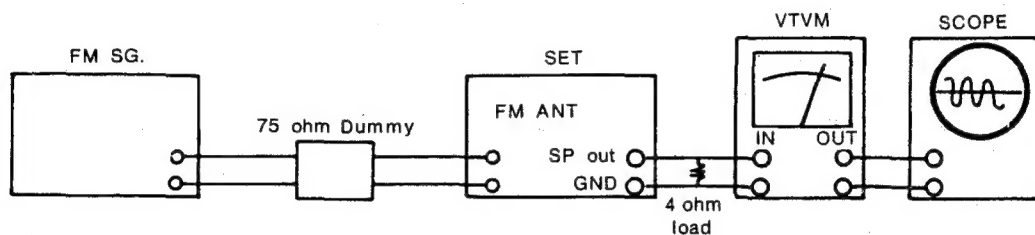
Step	Dial pointer position	Genescope output (KHz)	Adjustment
1	High frequency	10.7	T3
2	Repeat step 1 several times.		



## • FM RF ADJUSTMENT

Signal Generator ..... Connects to the FM antenna through the dummy.  
Adjust for the indication of SSVM or the waveform of scope to be maximum.

Step	Dial pointer position	SG. output (KHz)	Adjustment
1	Lowest frequency	87.35	L2
2	Highest frequency	108.25	TC2
3	Repeat to adjust for maximum.		
4	90 MHz	90	L1
5	106 MHz	106	TC2
6	Repeat to adjust for maximum.		



## FM MPX ADJUSTMENT

Adjustment of VR1 indication of frequency counter could be  $76 \pm 0.5\text{KHz}$  in state of FM NOISE, it could be adjusted.

## —CASSETTE DECK ADJUSTMENT—

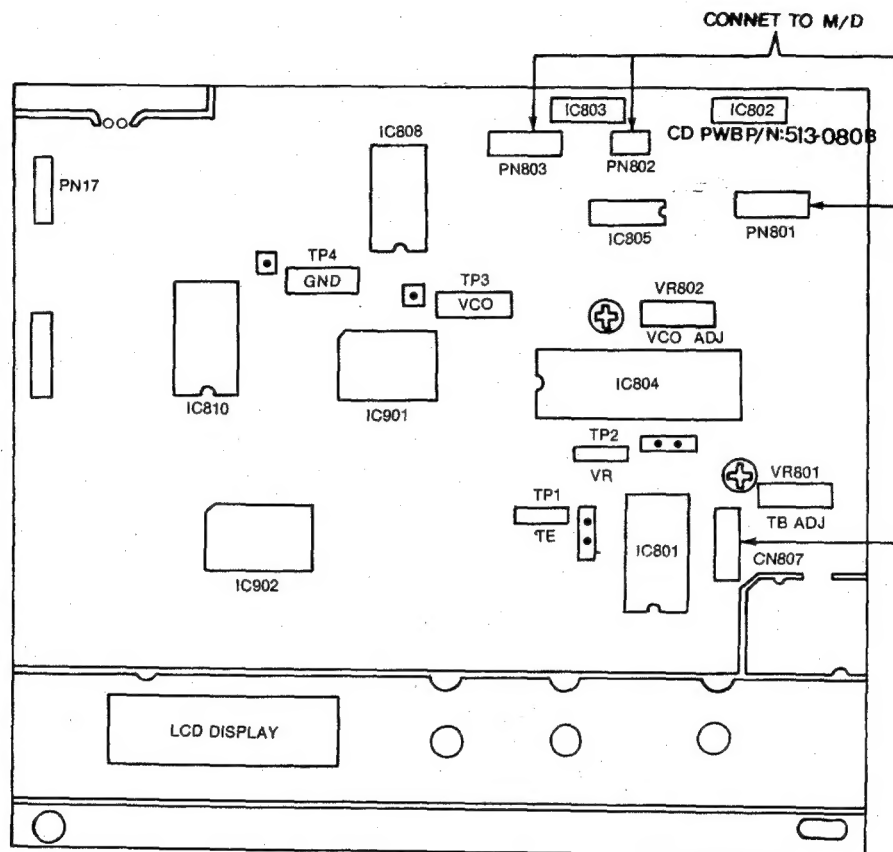
### TAPE SPEED ADJUSTMENT

Item	Input	Measure Frequency	Adjustment	Output	Condition of Adjustment
Normal Speed	MTT-111	3 KHz	RV601		
High Speed	MTT-111	6 KHz	RV602		
Tape Oscillation Frequency	Frequency Counter	60 KHz	T601	Connect the both terminal of Erase head to the frequency counter	The RIF switch set to the center position



## —CDP ADJUSTMENT —

### 1) TEST AND ADJUSTMENT POINTS



### 2) CDP ADJUSTMENT

#### • VCO (C864) FREQUENCY ADJUSTMENT

##### — ADJUSTMENT INSTRUMENT

- Frequency Connter

##### —ADJUSTMENT METHOD

- Turn on the power switch (STOP MODE)
- Connect frequency counter to main board test points TP3 (VCO) and TP4 (GND)
- Adjust VR802 so that frequency counter reading is  $8.644 \text{ MHz} \pm 20\text{KHz}$

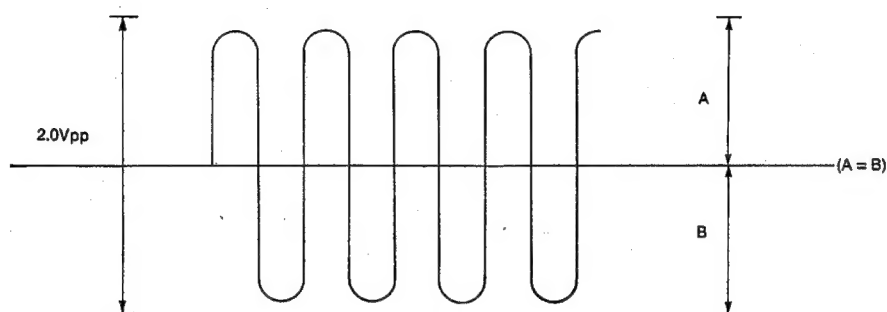
# • ADJUSTMENT FOR TRACKING BALANCE

## — INSTRUMENT OF ADJUSTMENT

- Oscilloscope.(at 40MHz)
- The test disc is YEDS-18 of the SONY co.

## — ADJUSTMENT METHOD

- Adjust for tracking balance by VR801, the must be confer position of presetting voltage.
- Connect the TP1 (T.E) and TP2 (VR) to main board of the oscilloscope for test point.  
(The range of scope are 0.5ms/div, 0.5 V/div)  
Note: The TP2 (VR) is DC 2.5V (Refer to voltage)
- Insert the disc in the LCD display is pause ( ■■ ) mode)
- Pressing the repeat button at above state
- Continuously press the FWD ( ►► ) button, and the wave form of oscillo scope to being symmetrical the above and below by adjusting VR 801, and the held to VR (2.5V)



TRACKING BALANCE WAVEFORM

## PIN FUNCTION OF IC

(1) IC 901 (HD404808): Micom→See the interior block diagram of IC

Pin No.	Pin Name	I/O	Pin No.	Pin Name	I/O
1	D <sub>4</sub>	I/O	41	SEG11	O
2	D <sub>5</sub>	I/O	42	SEG12	O
3	D <sub>6</sub>	I/O	43	SEG13	O
4	D <sub>7</sub>	I/O	44	SEG14	O
5	D <sub>8</sub>	I/O	45	SEG15	O
6	D <sub>9</sub>	I/O	46	SEG16	O
7	D <sub>10</sub>	I	47	SEG17	O
8	D <sub>11</sub> /V <sub>Cref</sub>	I	48	SEG18	O
9	D <sub>12</sub> /COMPO	I	49	SEG19	O
10	D <sub>13</sub> /COMP1	I	50	SEG20	O
11	TEST	I	51	SEG21	O
12	X <sub>1</sub>	I	52	SEG22	O
13	X <sub>2</sub>	O	53	SEG23	O
14	GND		54	SEG24	O
15	RO <sub>0</sub> /SCK	I/O	55	SEG25	O
16	RO <sub>1</sub> /SI	I/O	56	SEG26	O
17	RO <sub>1</sub> /SO	I/O	57	SEG27	O
18	RO <sub>3</sub>	I/O	58	SEG28	O
19	R <sub>10</sub>	I/O	59	SEG29	O
20	R <sub>11</sub>	I/O	60	SEG30	O
21	R <sub>12</sub>	I/O	61	SEG31	O
22	R <sub>13</sub>	I/O	62	SEG32	O
23	R <sub>20</sub>	I/O	63	COM1	O
24	R <sub>21</sub>	I/O	64	COM1	O
25	R <sub>22</sub>	I/O	65	COM3	O
26	R <sub>23</sub>	I/O	66	COM4	O
27	R <sub>30</sub>	I/O	67	V <sub>1</sub>	
28	R <sub>31</sub> /TIMO	I/O	68	V <sub>2</sub>	
29	R <sub>32</sub> /INT <sub>0</sub>	I/O	69	V <sub>3</sub>	
30	R <sub>33</sub> /INT <sub>1</sub>	I/O	70	NUMO	
31	SEG1	O	71	NUMO	
32	SEG2	O	72	NUMG	
33	SEG3	O	73	V <sub>CC</sub>	
34	SEG4	O	74	OSC <sub>1</sub>	I
35	SG5	O	75	OSC <sub>2</sub>	O
36	SEG6	O	76	RESET	I
37	SEG7	O	77	D <sub>0</sub>	I/O
38	SEG8	O	78	D <sub>1</sub>	I/O
39	SEG9	O	79	D <sub>2</sub>	I/O
40	SEG10	O	80	D <sub>3</sub>	I/O

Note: I/O: Input pin Output pin, I: Input pin, O: Output pin, NUMO: Open, NUMG: GND

## Pin Description (HD484808)

### GND, Vcc (Power)

GND and Vcc are the power supply pins for the MCU. Connect the GND to the ground (OV) and apply the Vcc power supply voltage to Vcc.

### TEST

TEST is for test purposes only. Connect it to Vcc.

### RESET

RESET resets the MCU. Refer to Reset section for details.

### OSC<sub>1</sub>, OSC<sub>2</sub> (Oscillator Connections)

OSC<sub>1</sub> and OSC<sub>2</sub> are input pins for the internal oscillator circuit. They can be connected to a crystal resonator, ceramic filter resonator, or external oscillator circuits. Refer to Internal Oscillator for details.

### X1, X2

X1 and X2 are the watch oscillator 32 kHz crystal terminals.

### Port D (D<sub>0</sub>-D<sub>13</sub>)

Port D consists of 14.1-bit I/O ports. D<sub>0</sub>-D<sub>9</sub> are I/O ports and D<sub>10</sub>-D<sub>13</sub> are also available as voltage comparators. Refer to Input/Output for details.

### Port R (R<sub>0</sub>-R<sub>3</sub>)

Ports R<sub>0</sub>-R<sub>3</sub> are 4-bit I/O ports. R<sub>0</sub>, R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, and R<sub>3</sub> are multiplexed with SCK, SI, SO TIMO, INT<sub>0</sub>, INT<sub>1</sub>, respectively.

### INT<sub>0</sub>, INT<sub>1</sub> (Interrupts)

INT<sub>0</sub> and INT<sub>1</sub> are external interrupts for the MCU, INT<sub>1</sub> can be used as an external event input pin for timer B. INT<sub>0</sub> and INT<sub>1</sub> are multiplexed with R<sub>2</sub> and R<sub>3</sub> respectively. For details, see Interrupt section.

### SCK, SI, SO

The transfer clock I/O pin (SCK), serial data input pin (SI), and serial data output pin (SO) are used for serial interface. SCK, SI, and SO are multiplexed with R<sub>0</sub>, R<sub>1</sub>, and R<sub>2</sub>, respectively. For details, see Serial interface section.

### TIMO

TIMO is a variable duty-cycle pulse waveform output pin. See Timer C section for details.

### V<sub>1</sub>, V<sub>2</sub>, V<sub>3</sub>

V<sub>1</sub>-V<sub>3</sub> are power supply pins for the LCD driver. As LCD driving resistors are provided internally, no line should be connected to these pins. The voltage on each pin is  $V_{CC} \geq V_1 \geq V_2 \geq V_3 \geq GND$ . See Liquid crystal Display section for details.

### COM1 to COM4

These are common signal output pins for LCD display. See Liquid Crystal Display section for details.

### SEG1 to SEG32

These are segment signals output pins for LCD display. See Liquid Crystal Display section for details.

### NUMG

NUMG is not a user pin. Connect to GND.

### NUMO

NUMO is not a user pin. Do not connect to any lines.

### COMPO, COMP1, VC<sub>ref</sub>

COMPO, COMP1 are analog inputs for the voltage comparator. VC<sub>ref</sub> is used as a reference voltage pin to input the threshold voltage of the analog input pin.

(2) IC 902 (HD49215): DSP→See the interior block diagram of IC

Pin No.	Signal	Function	Notes
1	TC1	C1 error detect flag (L when normal)	Used for measurement of C1 error rate only.
2	TC2	C2 correction result flag (H-correction disabled)	Used for measurement of C3 error flag only.
3	TEST	H during normal use, L of LSI test mode	Special LSI test terminal
4	TRST	LSI master reset (H during normal use)	Special LSI test terminal
5	TFCK	Frame clock output divided from X'tal oscillation	Used for measurement of X'tal system frame clock
6	PDOUT	Analog PLL phase comparison output	
7	V <sub>DD</sub>	Power supply	
8	X <sub>8</sub>	4-divided X'tal oscillation output	
9	X17	2-divided X'tal oscillation output	
10	XCI	X'tal oscillation input terminal	34.5744 MHz
11	XCO	X'tal oscillation output terminal	34.5744 MHz
12	V <sub>SS</sub>	Ground terminal	
13	EFMS	EFM signal input terminal	Connect to EFO of HA12095NT.
14	DSLCL	Data slice level control output	
15	TOK	DSLCL loop ON when L-level DSLCL loop OFF when H-level	
16	TDSTR	H during normal use, L for LSI test mode	Special LSI test terminal
17	VCOI	VCO oscillation inverter input	
18	VCOO	VCO oscillation inverter output	
19	TPW <sub>0</sub>	LSI test signal output (OPEN during normal use)	Special LSI test terminal
20	TPW <sub>1</sub>	LSI test signal output (OPEN during normal use)	Special LSI test terminal
21	TPW <sub>2</sub>	LSI test signal output (OPEN during normal use)	Special LSI test terminal
22	TPW <sub>3</sub>	LSI test signal output (OPEN during normal use)	Special LSI test terminal
23	TASYNC	Frame sync detect signal output	
24	TPSYNC	Output of protected and inserted frame sync signal	
25	FOK	Focus OK input (OK when H)	Connected to FOK of HA12095NT.
26	PWM	Spindle motor rotation speed error output (Duty 50% when no error)	
27	PREF	Reference output of Duty 50% spindle motor servo	
28	PD	Spindle motor control phase error output (Duty 50% when no error)	
29	SLOCK	Frame synchronization clock signal output	Connect to microcomputer
30	CLK	Serial clock input for mode and data send (fetch when )	Connect to microcomputer
31	XLT	Mode data latch clock input (fetch when L)	Connected to microcomputer
32	V <sub>DD</sub>	Power supply	
33	DATA	Mode data input terminal	Connect to microcomputer
34	XRST	Mode data all (reset when L)	Connect to microcomputer
35	CNIN	Track count clock input	Connect to TES of HA12905NT
36	SENS	Mute input for DAC output (mute when H)	Connect to microcomputer
37	MUT	Mute input for DAC output (mute when H)	Connect to microcomputer
38	QOK	Subcode Q CRCC operation output (OK when H)	Connect to microcomputer
39	SUBCK	Clock input for subcode (P to W) serial output	Used only for subcodes (P to W)
40	SUBOUT	Subcode (P to W) serial output	Used only for subcodes (P to W)
41	QDATA	Subcode Q output	Connect to microcomputer
42	S1	Subcode synchronizing pulse output	Connect to microcomputer
43	CFCK	Clock output for fetching subcode Q data	Connect to microcomputer
44	CDP	Subcode P output	

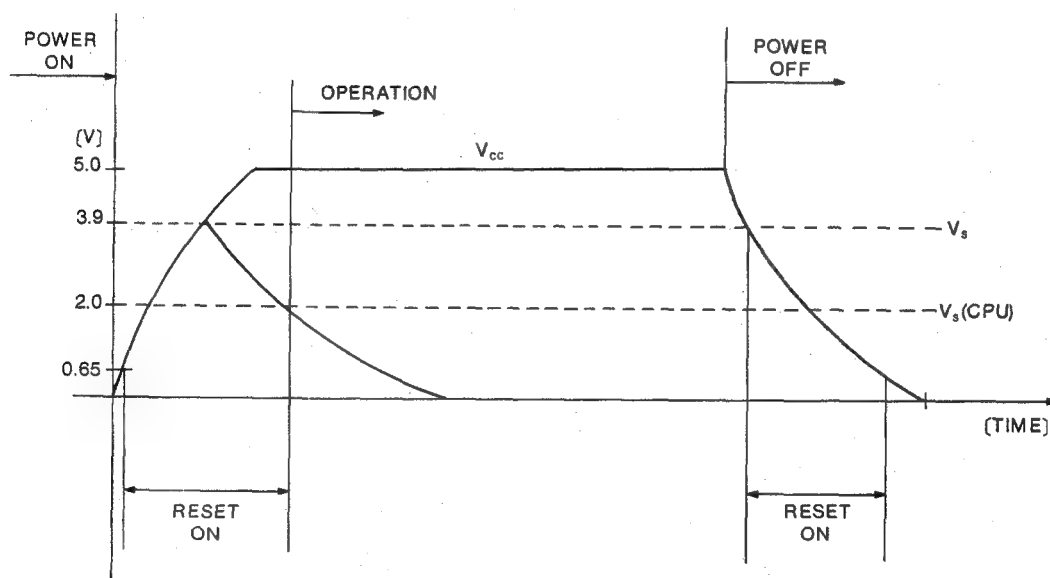
Pin No.	Signal	Function	Notes
45	TEF	Validity flag (interpolation flag) output	Used for interpolation flag measurement only
46	MPX	Clock output for Lch/Rch switching (L for Lch, H for Rch)	Connect to HA12108NT
47	DMX	MPX 2 frequency output when DASW is H Lch discharge output when DASW is H Lch discharge output when DASW is L	Connect to HA12108NT
48	QMX	MPX 4 frequency output when DASW is H Bch discharge output when DASW is L	Connect to HA12108NT
49	DAS	D/A serial output when DASW is H S/H Rch output when DASW is L	Connect to HA12108NT
50	CKX	D/A fetch clock output when DASW is H S/H Rch output when DASW is L	Connected to HA12108NT
51	DASW	Connection to DAC HA12096, HA12108 possible when L level Connection to PCM56, HD49202NT possible	Connect to HA12108NT
52	V <sub>ss</sub>	Ground terminal	
53	Y <sub>ss</sub>	Ground terminal	
54	CSW1	HA12096, HA12108 upper supply current control signal when DASW is L	Connect to HA12108NT
55	CSW2	HA12096, HA12108 middle supply current control signal when DASW is L	Connect to HA12108NT
56	CSW3	HA12096, HA12108 lower supply current control signal when DASW is L	Connect to HA12108NT
57	OFCS	HA12096, HA12108 offset supply current control signal when DASW is L	Connected to HA12108NT
58	V <sub>DD</sub>	Ground terminal	
59	V <sub>ss</sub>	Ground terminal	
60	RD7	16K SRAM data connection terminal	
61	RD6	16K SRAM data connection terminal	
62	RD5	16K SRAM data connection terminal	
63	RD4	16K SRAM data connection terminal	
64	RD3	16K SRAM data connection terminal	
65	RD2	16K SRAM data connection terminal	
66	RD1	16K SRAM data connection terminal	
67	RD0	16K SRAM data connection terminal	
68	RA0	16K SRAM address connection terminal	
69	RA1	16K SRAM address connection terminal	
70	RA2	16K SRAM address connection terminal	
71	RA3	16K SRAM address connection terminal	
72	RA4	16K SRAM address connection terminal	
73	RA5	16K SRAM address connection terminal	
74	RA6	16K SRAM address connection terminal	
75	RA7	16K SRAM address connection terminal	
76	RA8	16K SRAM address connection terminal	
77	RA9	16K SRAM address connection terminal	
78	WE	Write to 16K SRAM enable terminal (WRITE operation from LSI to RAM when L level)	
79	RA10	16K SRAM address connection terminal	
80	CS	16K SRAM chip select connection terminal (chip enable from LSI to RAM when L level)	

## INITIAL TIMING CHART (FUNCTION CD)

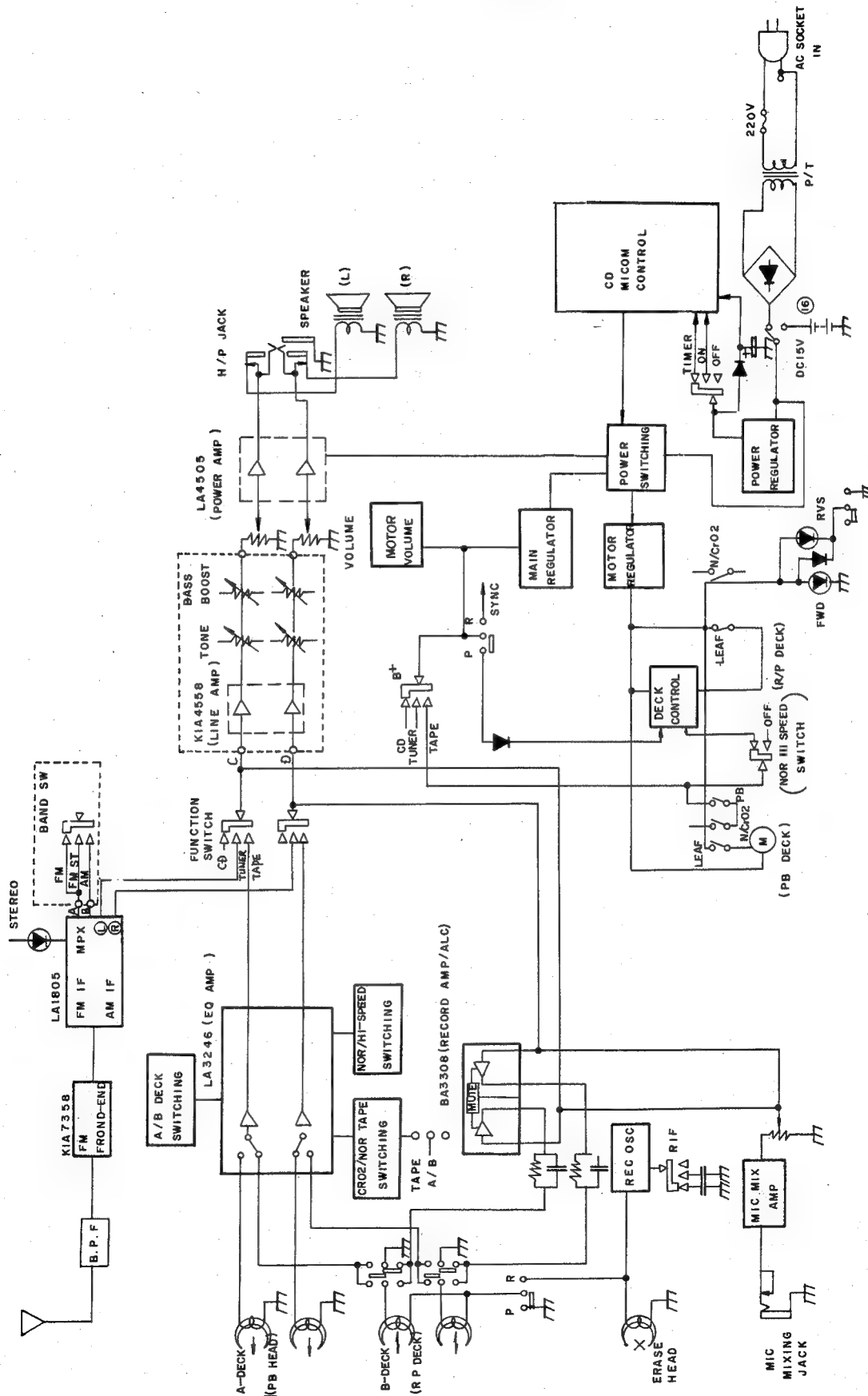
### • POWER

CONNECTOR PIN		DC VOLTAGE
PN 16	①	+12V
	②	GND (0V)
	③	+8V
	④	+8V
	⑤	0V (TAPE A SIDE: "L" B SIDE: "H")
	⑥	0V (SYNCRO Start "H")
	⑦	0V (TIMER MODE "H")
	⑧	+8V
PN 15	①	+8V
PN 801	①	+5V

### • RESET: IC902 RESET

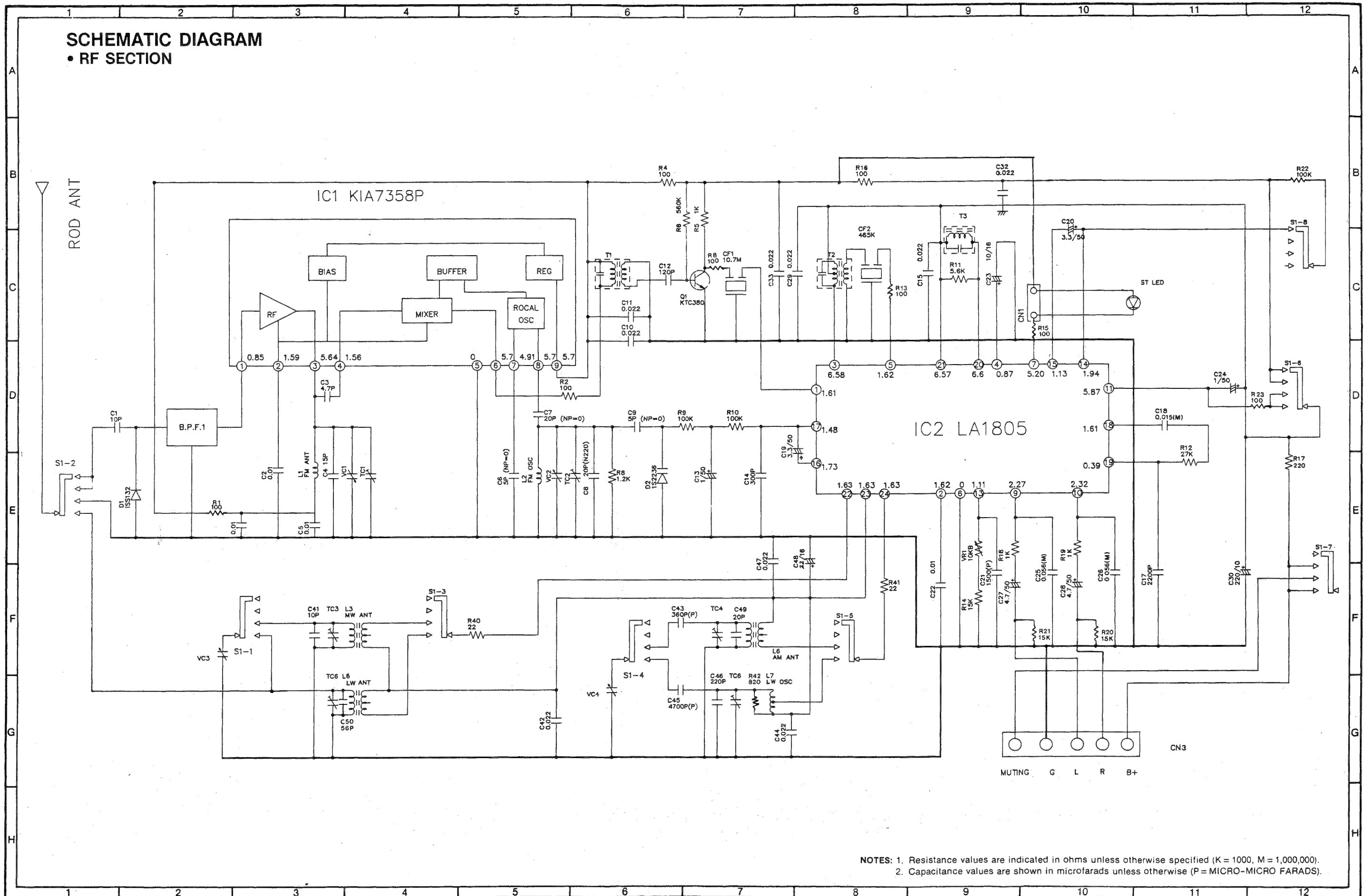


# BLOCK DIAGRAM



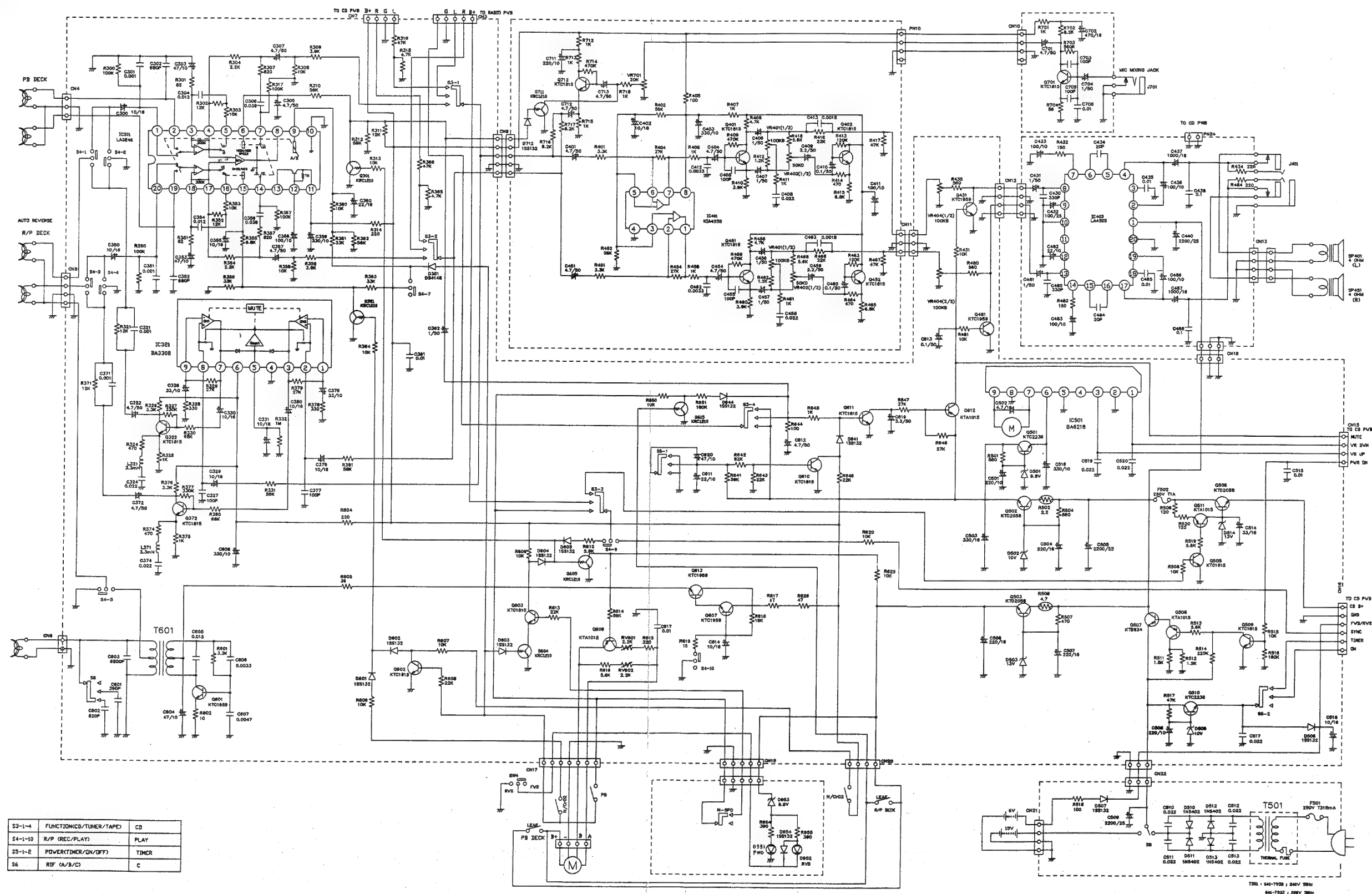


# **SCHEMATIC DIAGRAM** • RF SECTION



NOTES: 1. Resistance values are indicated in ohms unless otherwise specified (K = 1000, M = 1,000,000).  
2. Capacitance values are shown in microfarads unless otherwise (P = MICRO-MICRO FARADS).

# SCHEMATIC DIAGRAM • DECK & POWER CIRCUIT

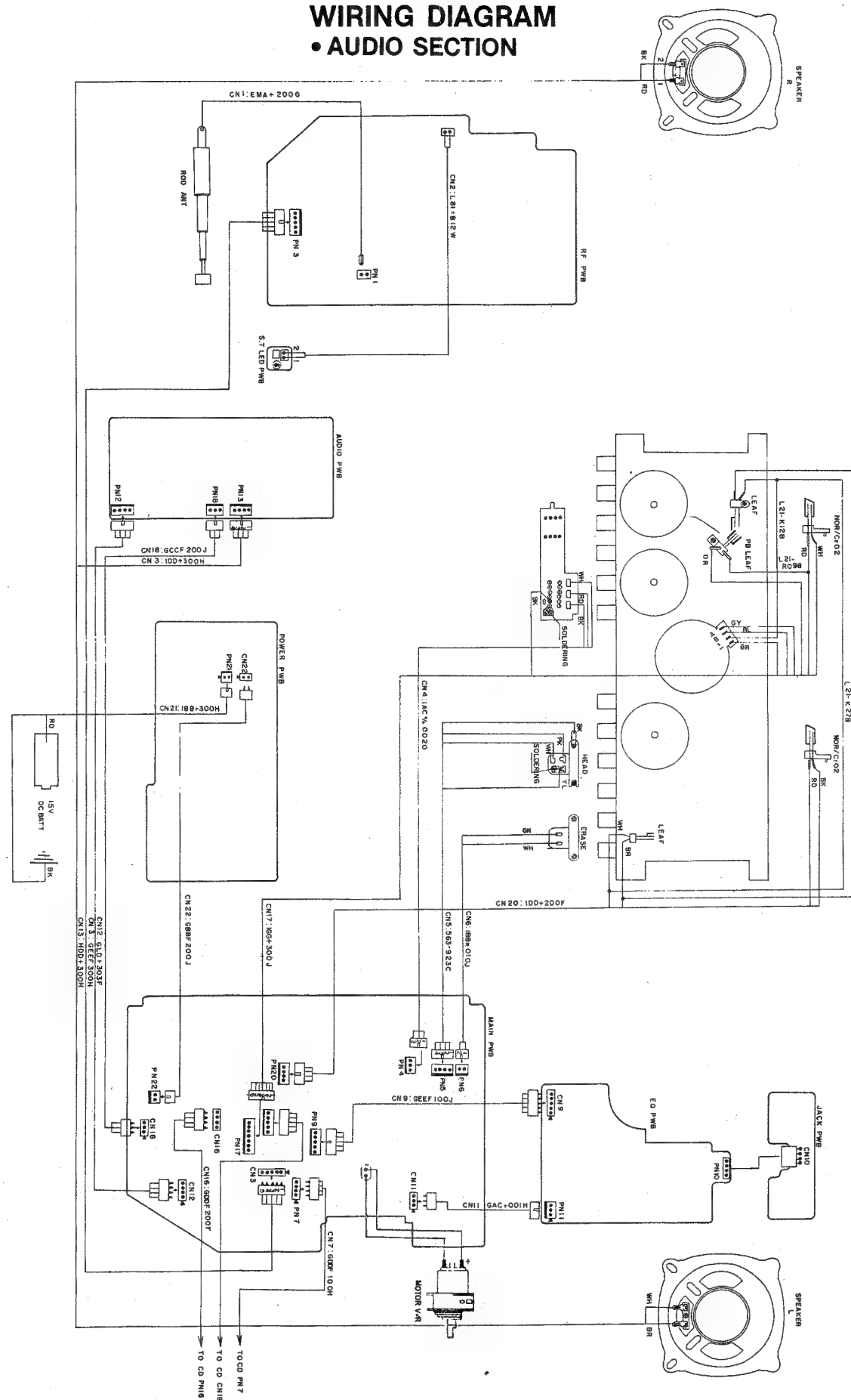


**SCHEMATIC DIAGRAM**  
• CDP CIRCUIT

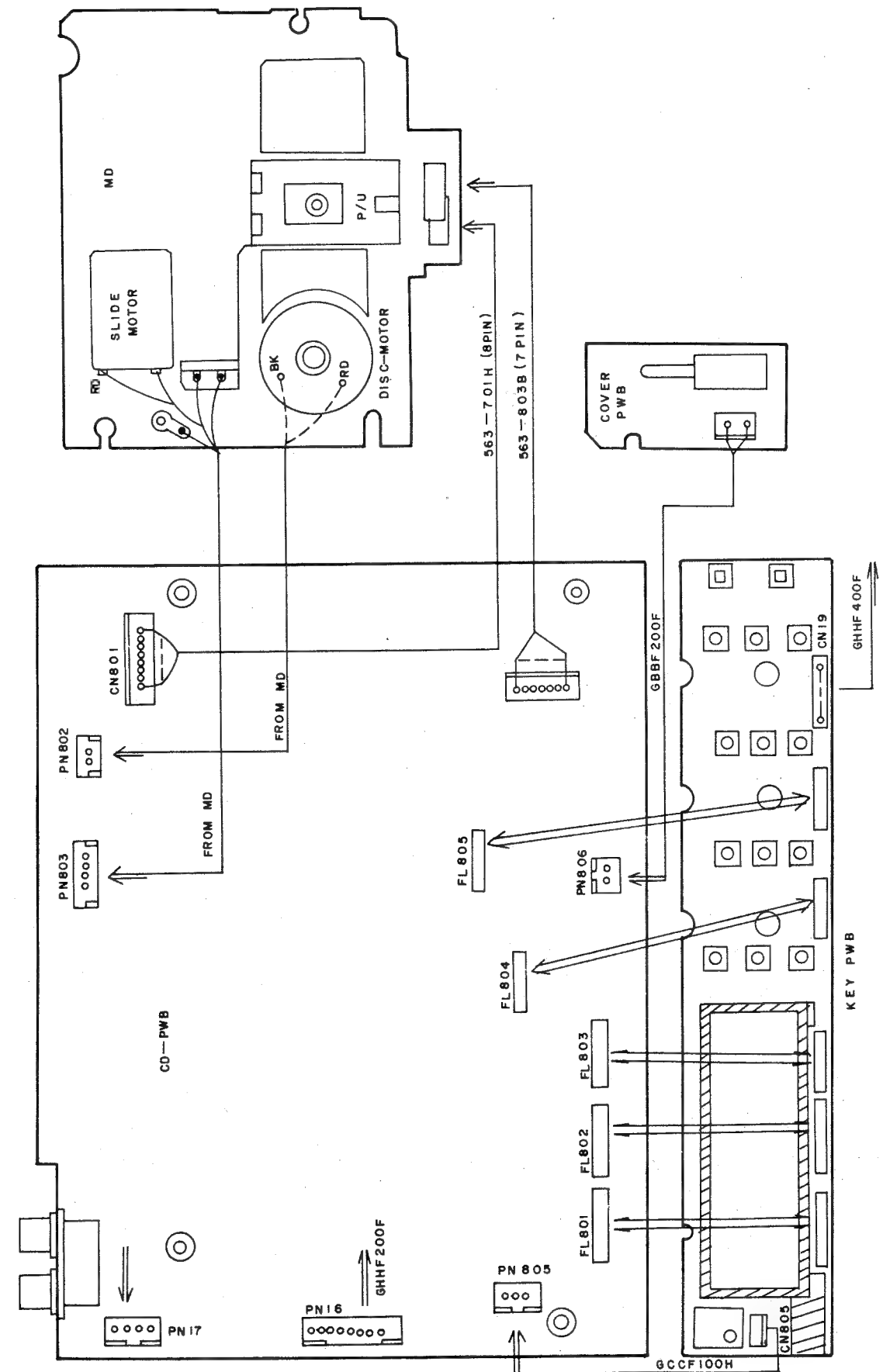
NOTES: 1. Resistance values are indicated in ohms unless otherwise specified (K = 1000, M = 1,000,000).  
2. Capacitance values are shown in microfarads unless otherwise (P = MICRO-MICRO FARADS).

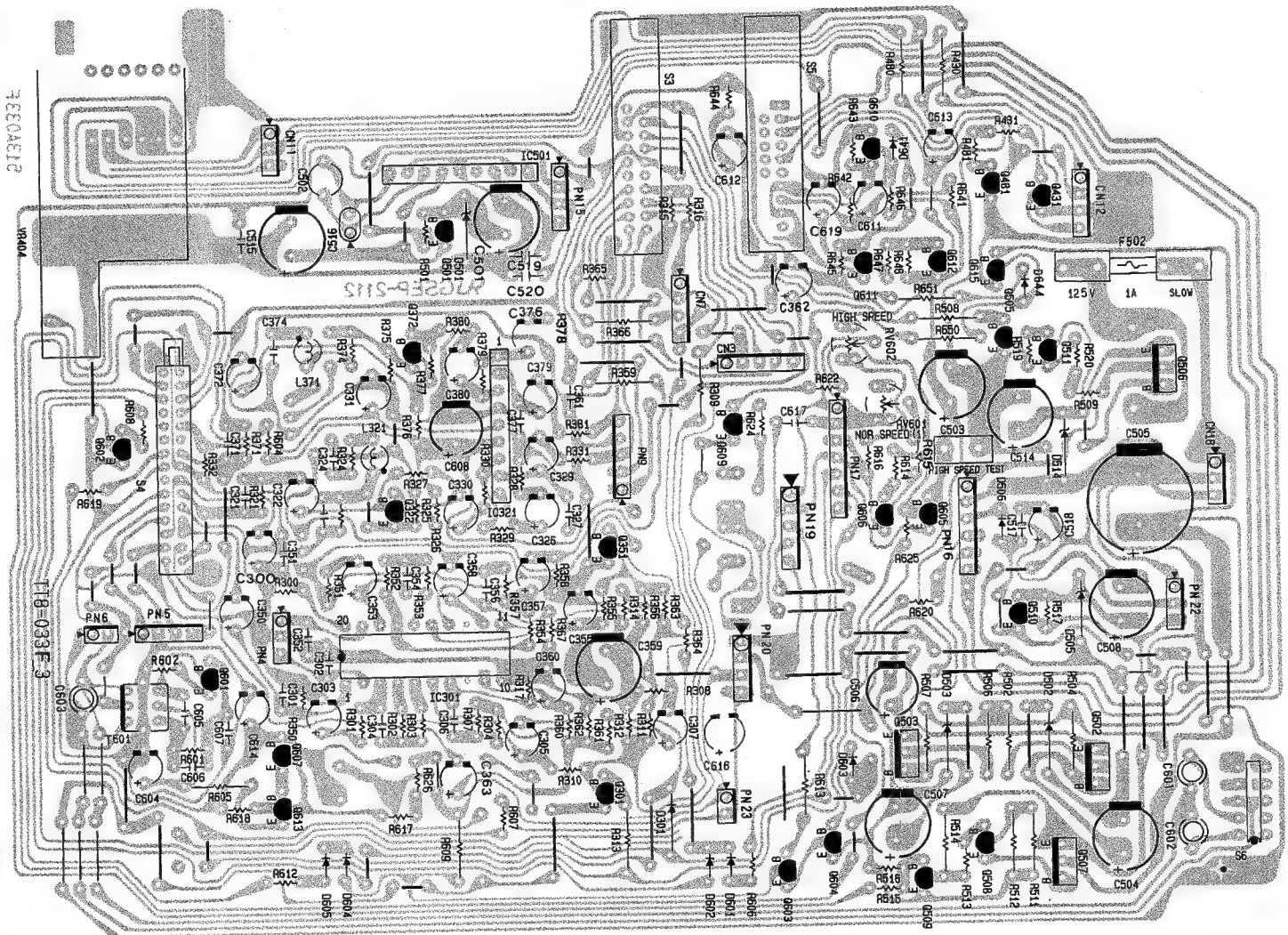
—19—

# WIRING DIAGRAM • AUDIO SECTION



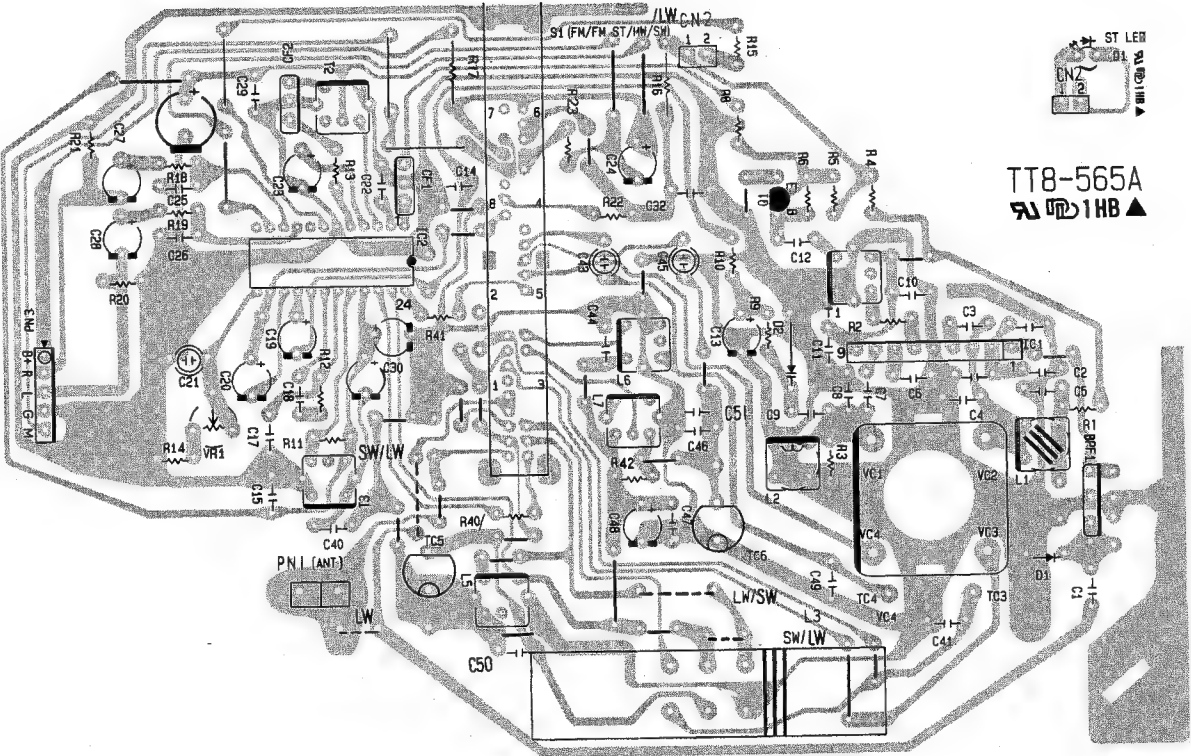
# • CDP SECTION



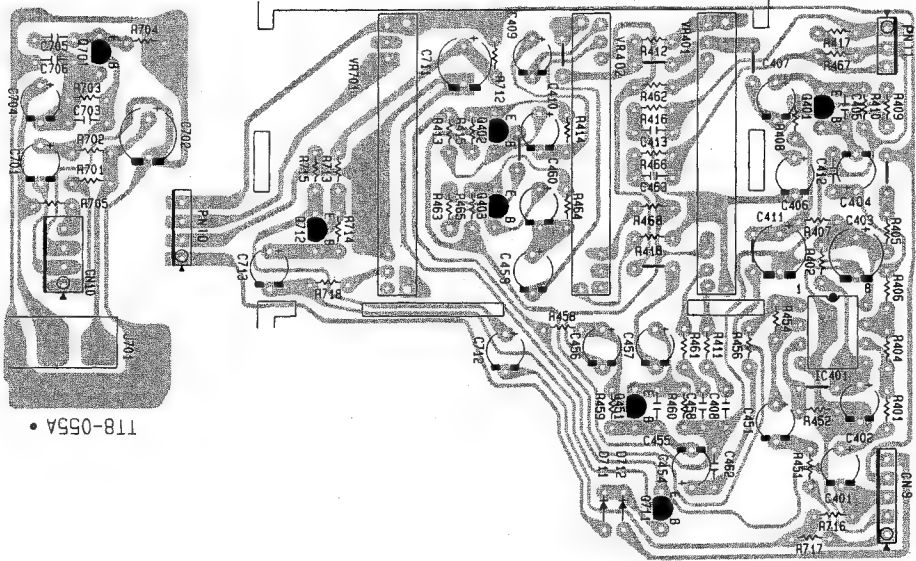
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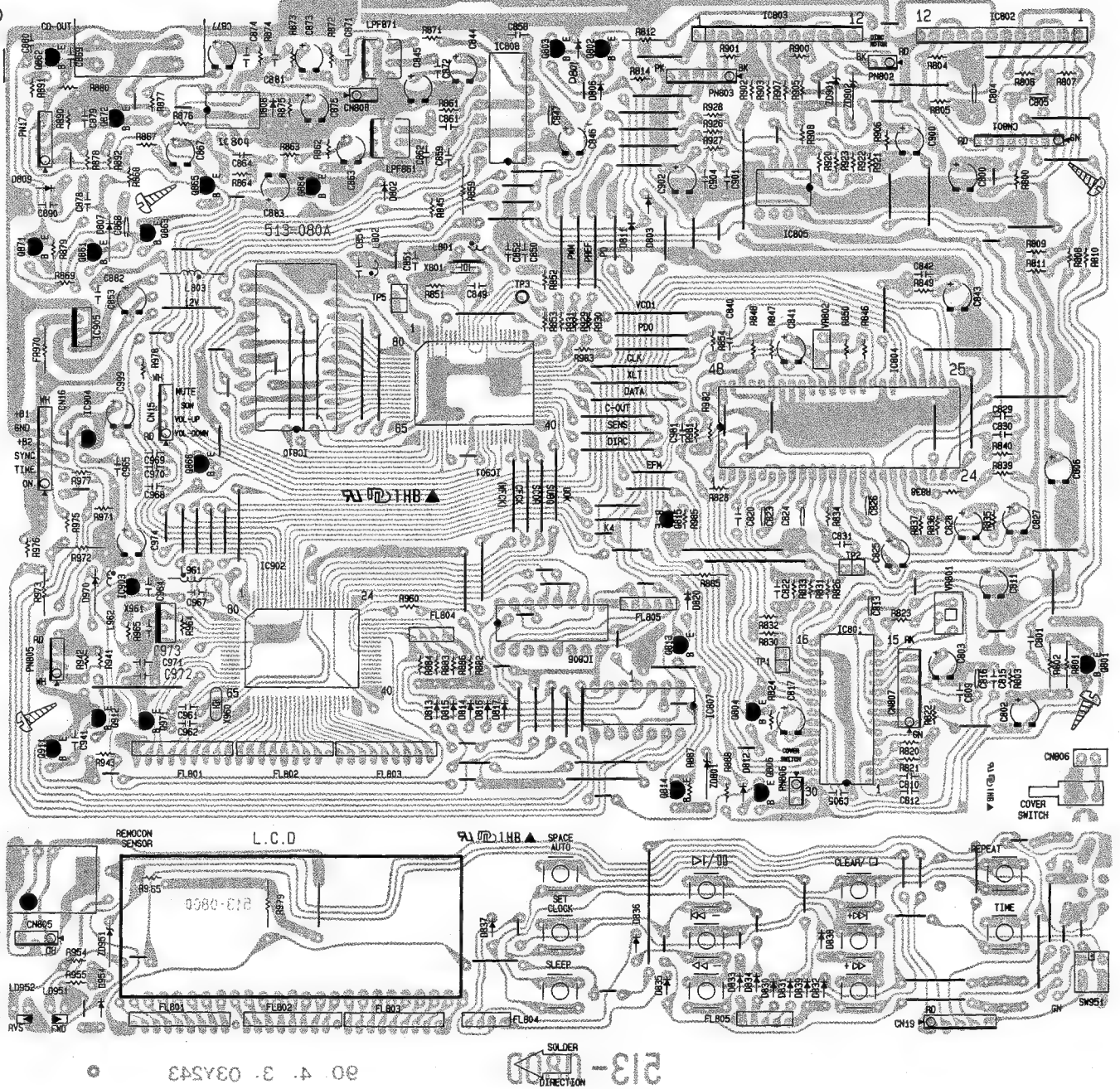
• RF P.C. BOARD



• EQ P.C. BOARD

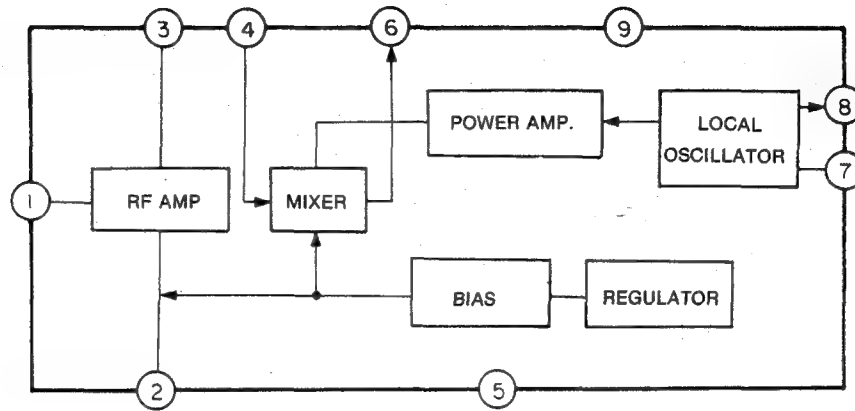


• CD P.C. BOARD

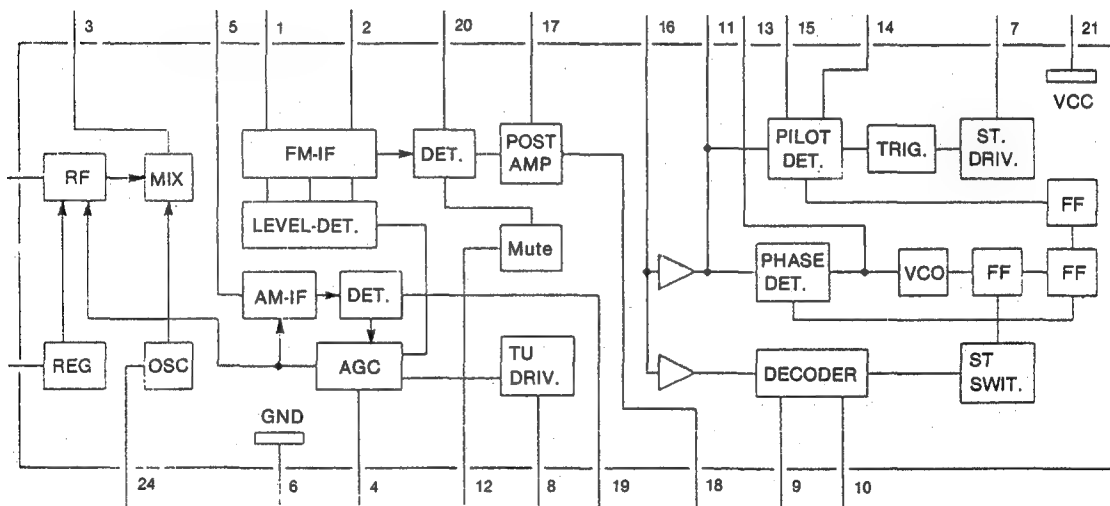


## INTERIOR BLOCK DIAGRAM OF IC

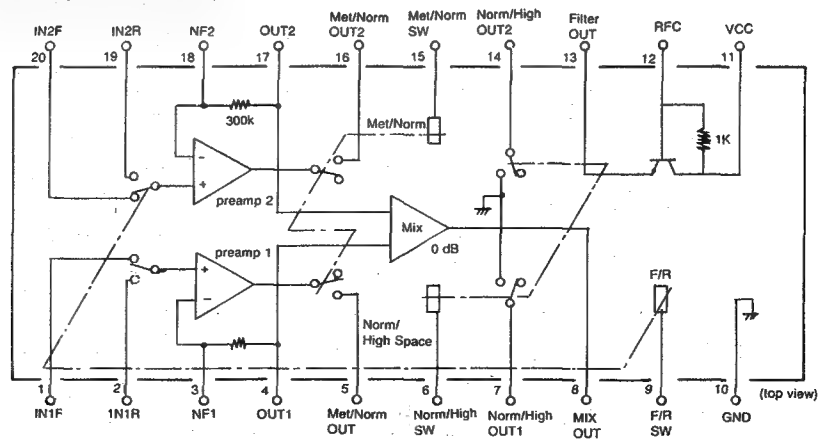
IC 1, KIA7358P (FM Front End)



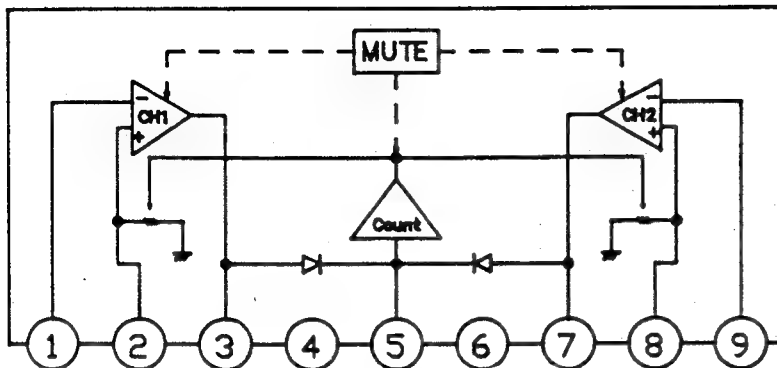
IC 2, LA1805 (AM/FM, IF + MPX)



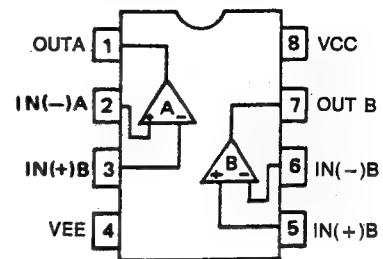
IC 301, LA3246 (PRE AMP)



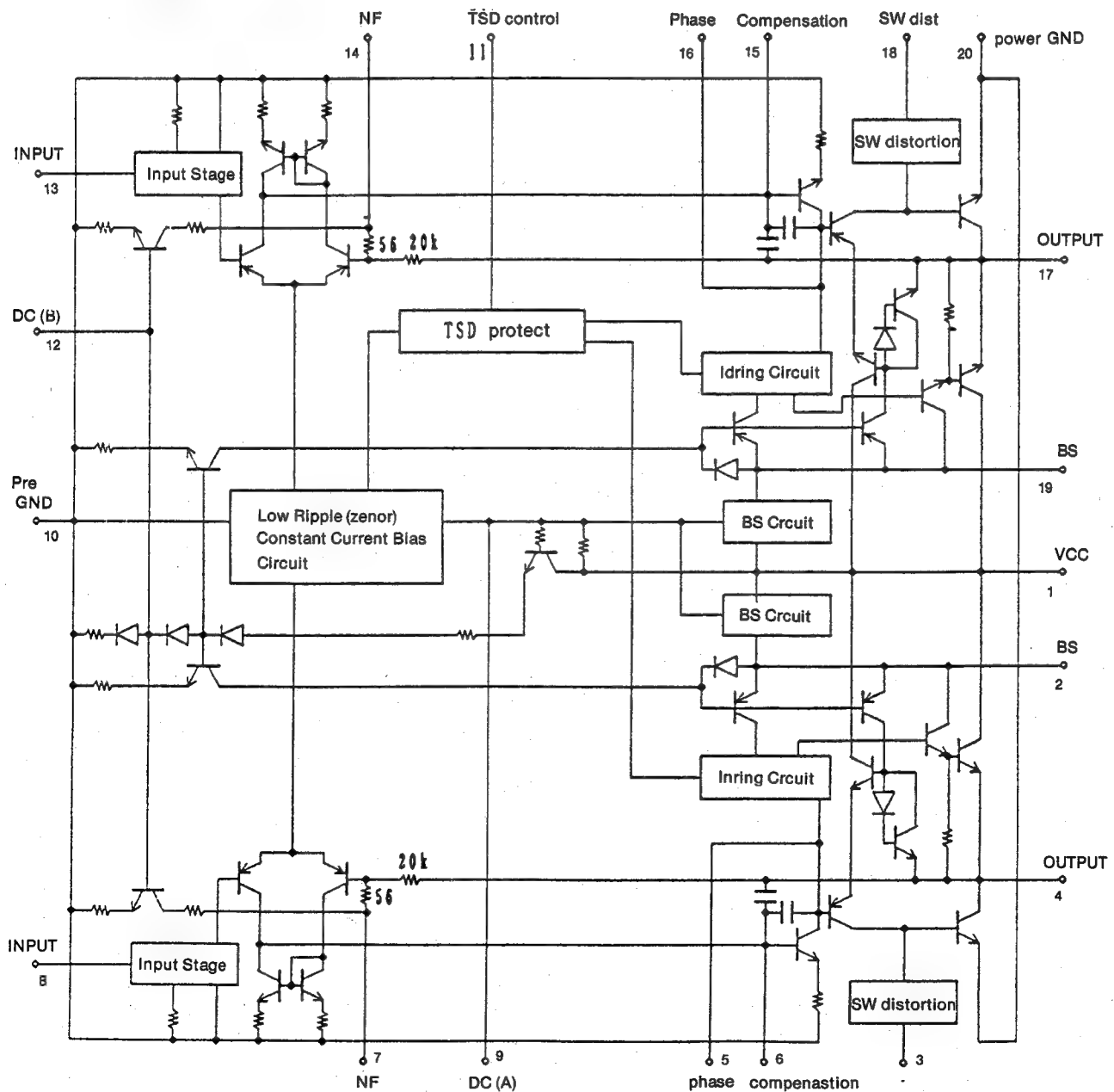
IC 321, BA3308 (EQ)



IC 401,805,809 KIA45589

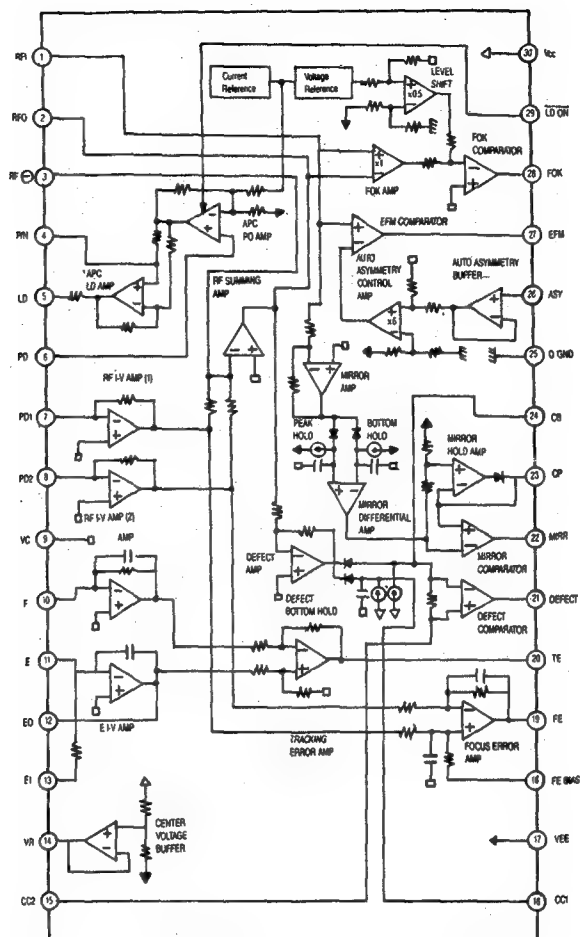


IC 403 LA4505 (POWER)

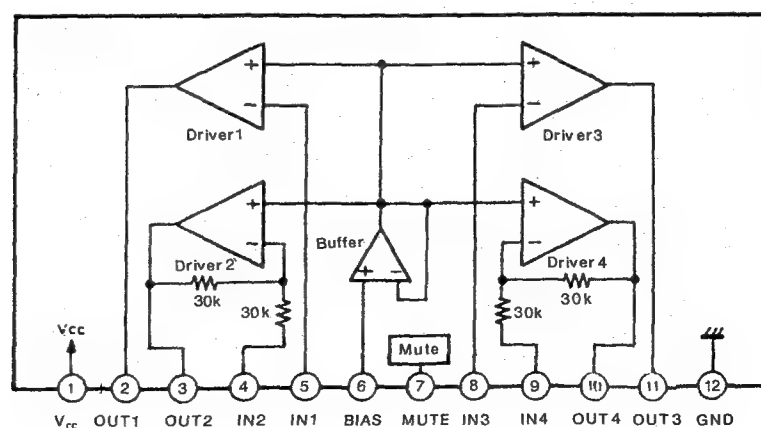




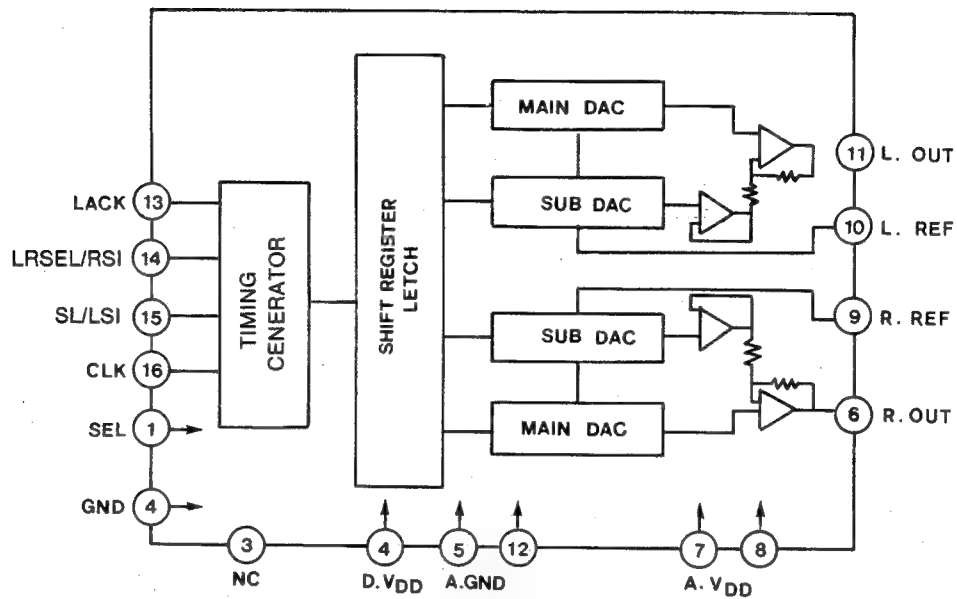
## IC 801, CXA1081M/S (RF AMP)



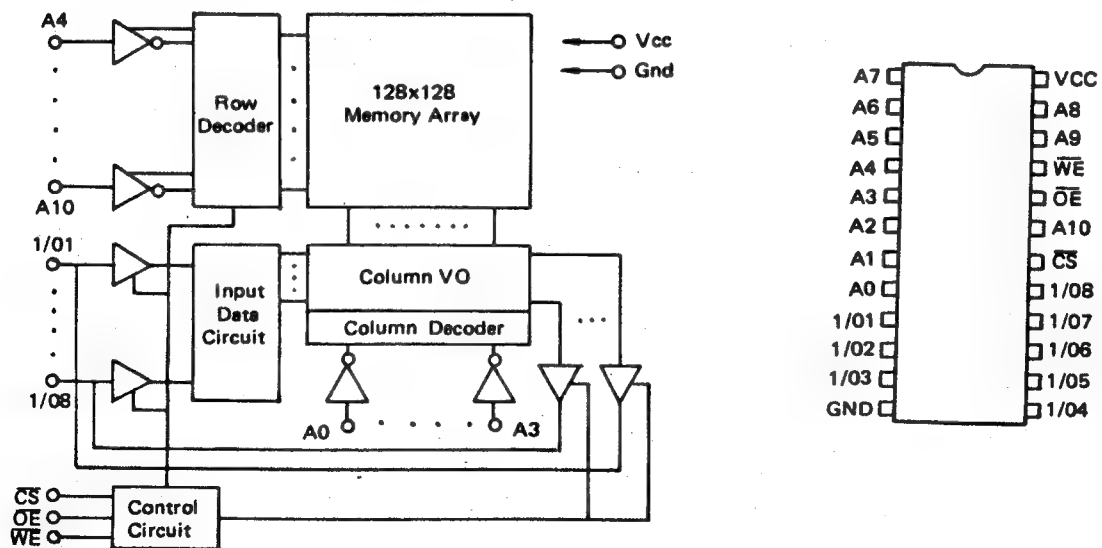
## IC 802, 803, BA6290 (DRIVE AMP)



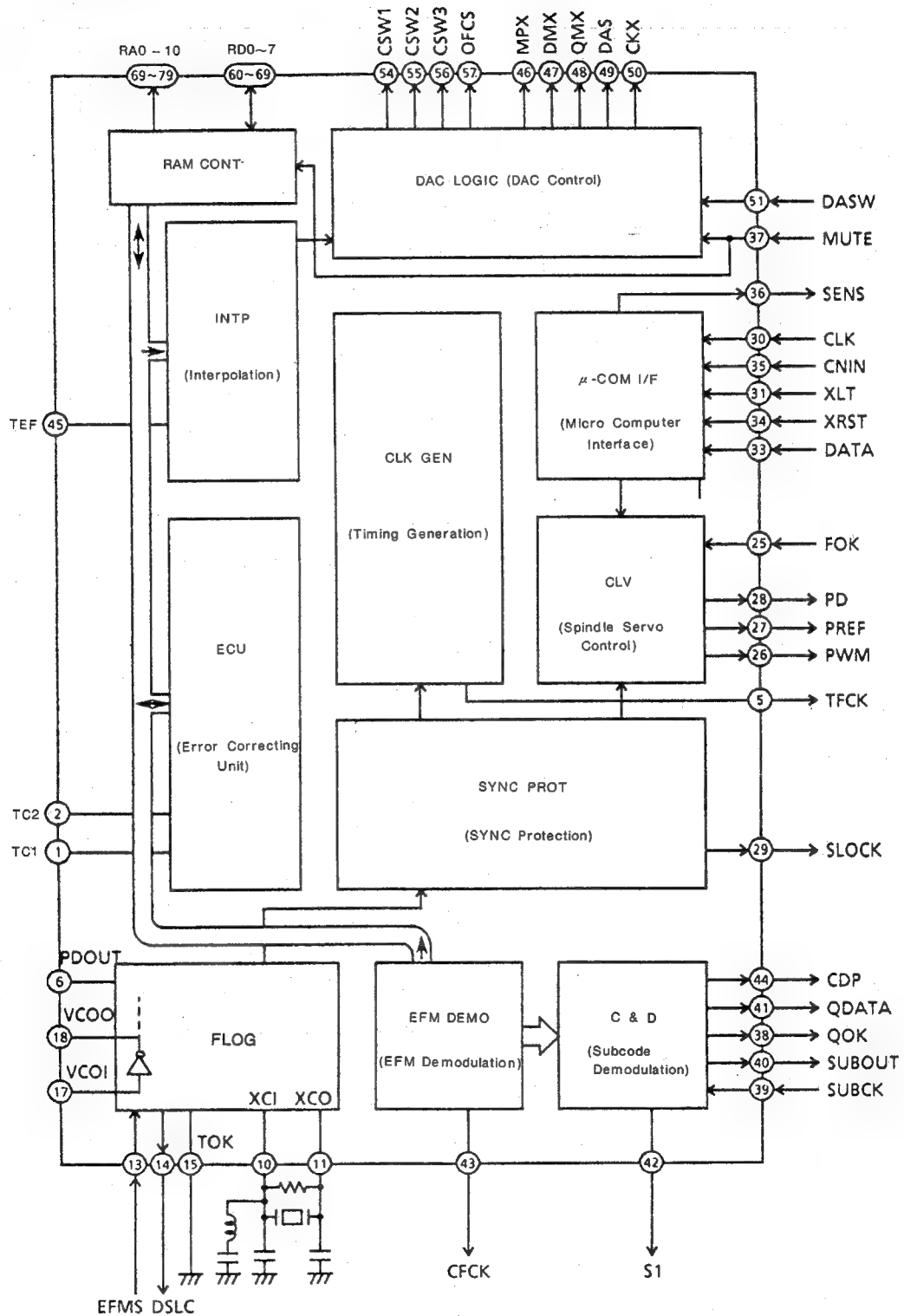
# IC 808, $\mu$ PD6376CX



# IC 810, HM6116-120

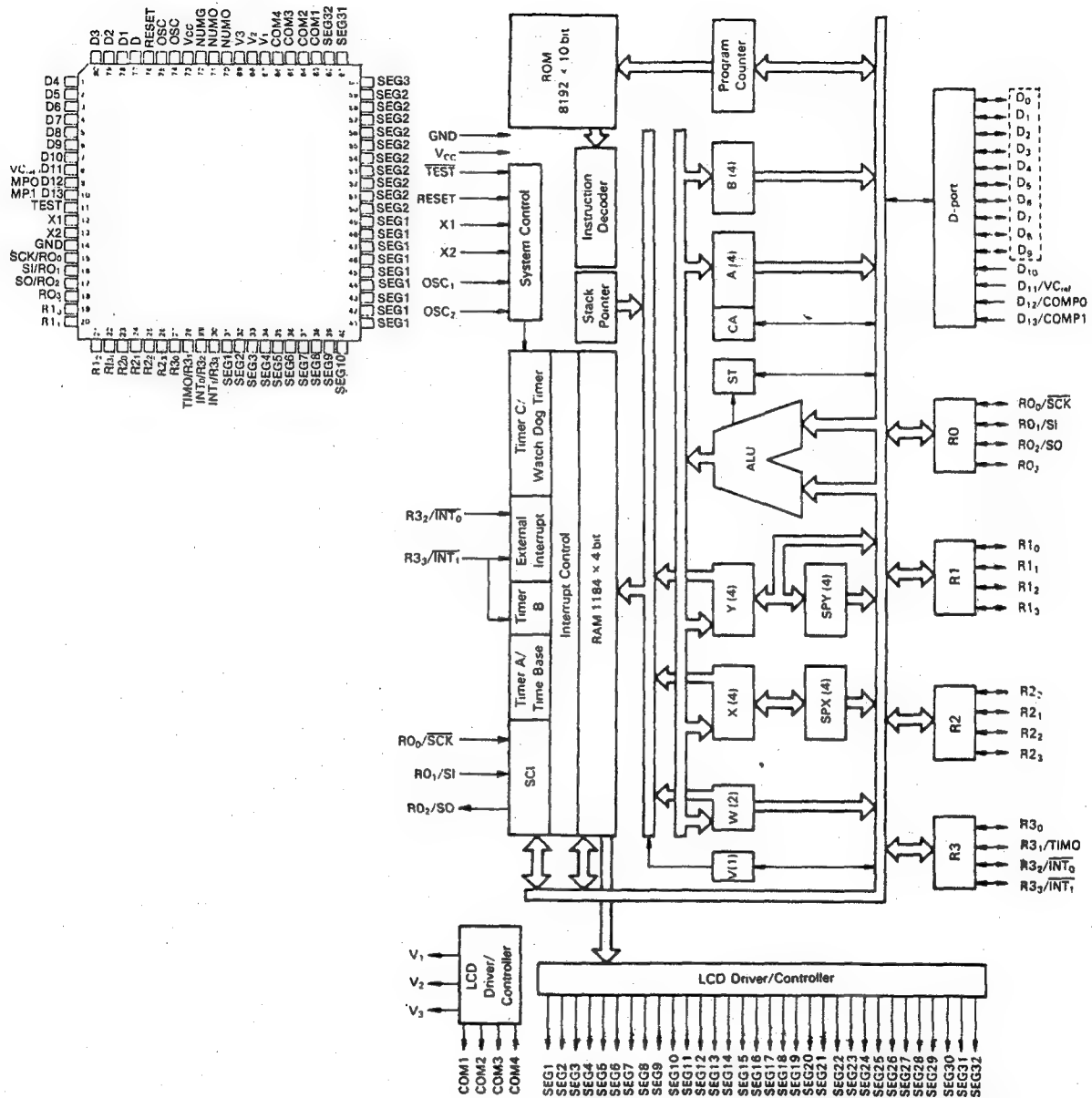


# IC901, HD49215(DSP)

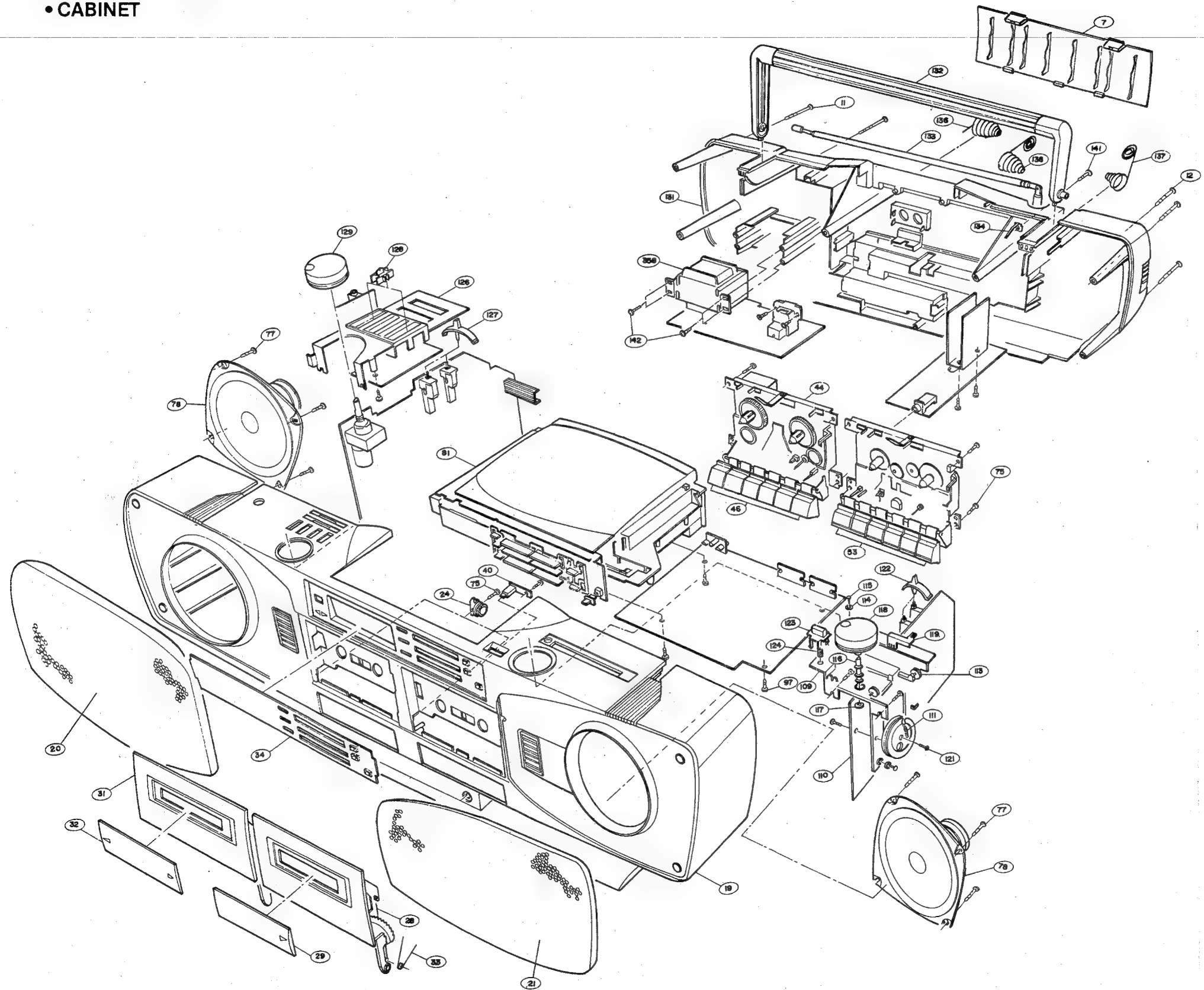


IC902 HD404808 1/2

IC902 HD404808 2/2



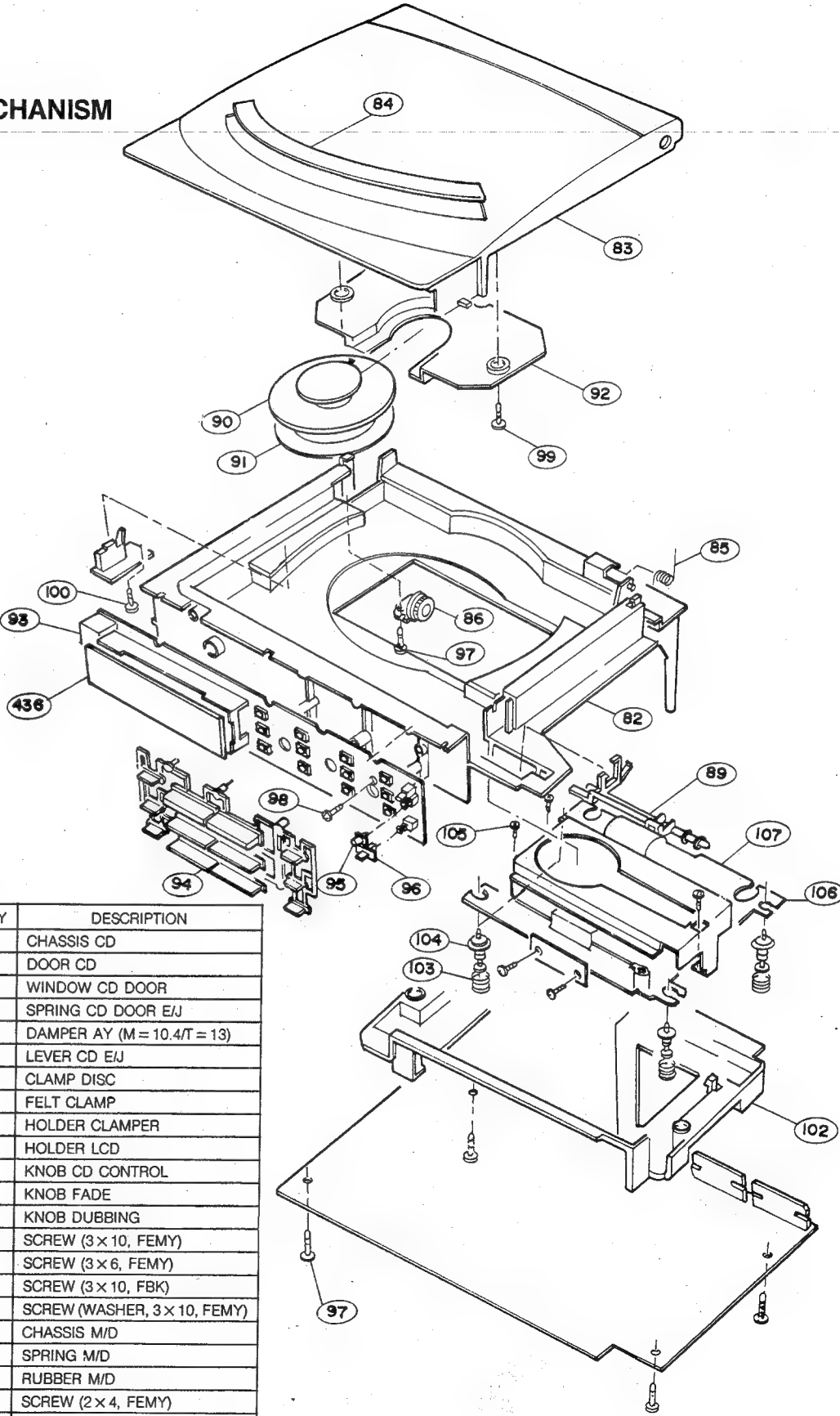
**EXPLODED VIEW/PARTS LIST**  
**• CABINET**



REF. NO.	PART NO.	Q'TY	DESCRIPTION
7	221-118A	1	COVER BATTERY
11	353-025K	6	SCREW (3 × 12, FZMY)
12	353-025O	3	SCREW (3 × 27.5 FZMY)
19	217-771D	1	CASE FRONT SUB AY
20	224-214A	1	SPEAKER, GRILLE(R)
21	224-215A	1	SPEAKER, GRILLE(L)
24	444-111B	2	DAMPER AY (M = 10.4T: 13)
28	226-312H	1	DOOR CST-R
29	236-591P	1	WINDOW DOOR-R
31	226-312H	1	DOOR CST-L
32	238-591D	1	WINDOW DOOR-L
33	442-214A	2	SPRING CST DOOR E/J
34	236-592C	1	WINDOW CD CONTROL
44	419-011Y	1	DECK TN223F-156
46	275-060B	1	BUTTON DECK-B
53	275-061B	1	BUTTON DECK-A
75	353-025K	9	SCREW (3 × 12, FEMY)
77	353-052C	9	SCREW (WASHER, 3 × 10, FEMY)
78	541-218D	2	SPEAKER (120L15K1451)
81	311-117D	1	CHASSIS AY CD
110	431-033A	1	PULLEY DIAL
111	442-004E	1	SPRING
113	434-018A	2	ROLLER
114	434-017A	3	ROLLER
115	423N254A	3	SHAFT ROLLER
116	423-033A	1	SHAFT TUNING
117	WEO2600Q	1	E-RING
118	271-222A	1	KNOB TUNING
119	361-033A	1	POINTER
121	MPC1530J	1	SCREW M/S (2.6/6, FEMY)
122	272-035A	2	KNOB LEVER
123	272-037A	1	KNOB CD E/J
124	442-634G	1	SPRING KNOB
126	313-119A	1	CHASSIS AUDIO
127	272-035A	2	KNOB LEVER
128	272-034A	3	KNOB SLIDE
129	272-033A	1	KNOB VOLUME
131	217-552A	1	CASE REAR
132	261-650A	1	HANDLE ASSY
133	532-207A	1	ANTENNA ROD (L = 700)
134	254-013B	1	PLATE CONTACT, ANT
136	442N281E	1	SPRING BATT. (-)
137	442-924E	1	SPRING BATT. (+, -)
138	442-203E	1	SPRING BATT. (+, -)
141	353-025G	1	SCREW (3 × 10, FEMY)
142	353-052C	4	SCREW (WASHER, 3 × 10, FEMY)
358	641-793Z	1	TRANS POWER

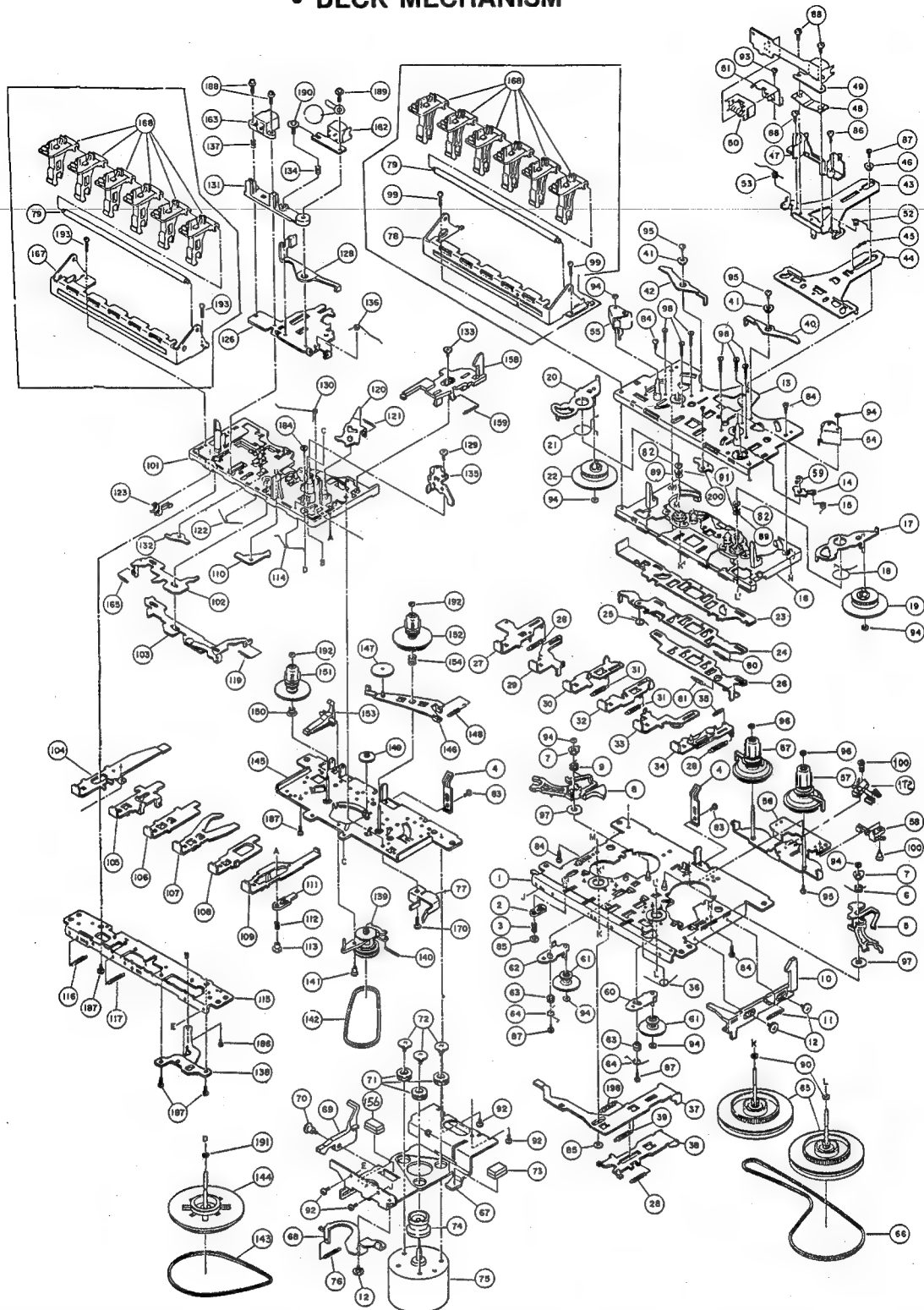
NOTES

• CDP MECHANISM



REF. NO.	PART NO.	Q'TY	DESCRIPTION
82	313-214A	1	CHASSIS CD
83	226-214B	1	DOOR CD
84	236-593A	1	WINDOW CD DOOR
85	442-287F	1	SPRING CD DOOR E/J
86	444-111A	1	DAMPER AY (M = 10.4/T = 13)
89	333-034A	1	LEVER CD E/J
90	327-004B	1	CLAMP DISC
91	472-018B	1	FELT CLAMP
92	324-214A	1	HOLDER CLAMPER
93	324-218A	1	HOLDER LCD
94	272-040A	1	KNOB CD CONTROL
95	272-041A	1	KNOB FADE
96	272-042A	1	KNOB DUBBING
97	353-025G	9	SCREW (3×10, FEMY)
98	353-025E	2	SCREW (3×6, FEMY)
99	353-025C	2	SCREW (3×10, FBK)
100	353-052C	1	SCREW (WASHER, 3×10, FEMY)
102	313-120A	1	CHASSIS M/D
103	442-215A	3	SPRING M/D
104	477-022A	3	RUBBER M/D
105	353-022G	3	SCREW (2×4, FEMY)
106	411-005F	1	PICK UP AY (CD-M32)
107	221-241A	1	COVER M/D
109	313-118A	1	CHASSIS RF
436	659-152A	1	DISPLAY (RCD-1-019R)

## • DECK MECHANISM



REF. NO.	PART. NO.	DESCRIPTION	Q'TY	REF. NO.	PART. NO.	DESCRIPTION	Q'TY
#11	99T-2102	FJECT SLIDE LEVER SP	1	#96	99T-2185	P. WASHER CUT	1
#49	99T-2140	P. HEAD	1	#97	99T-2186	P. WASHER CUT	1
#52	99T-2143	PINCH ROLR SP (E)	1	#135	99T-2220	PINCH ROLLER ARMAY	1
#53	99T-2144	PINCH ROLR SP (R)	1	#142	99T-2227	RF BELT	1
#54	99T-2145	PINCH ROLR (F) AY	1	#144	99T-2229	FLYWHEEL AY	1
#55	99T-2146	PINCH ROLR (R) AY	1	#153	99T-2238	RFCORD SAFETY LEVER	1
#58	99T-2919	LEAF SW	1	#158	99T-2240	EJECT SLIDE LEVER	1
#65	99T-2155	FLYWHEEL AY	1	#162	99T-2243	READ RP7442CS09	1
#66	99T-2156	MAIN BELT	1	#163	99T-4077	ERASER HEAD HJ213840K	1
#74	99T-2920	MOTOR PULLEY	1	#180	99T-2929	P. WASHER 1.75	1
#75	99T-6561	EG530YD-2B	1	#184	99T-2251	P. WASHER CUT	1
#82	99T-2922	MAIN BELT	1				

Note: Excluded parts in the part last are not available as replacement parts

## [REPLACEMENT PARTS LIST]

PAGE : 1

MODEL : CD-651L KR1

RUN-DATE : 90.06.28

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
			511B565A	PWB ASSY	CD-650 STEREO LED	
			285-880H	BOX CARTON	CD-650L KR1	
			511A055A	PWB ASSY	CX-33W EQ	
			447-059C	CUSHION	FOOT (3M RUBBER)	
			511A033F	PWB ASSY	CD-650L MAIN	
			511A565C	PWB ASSY	CD-600L RF	
			511B055B	PWB ASSY	CD-650 JACK	
			511C033F	PWB ASSY	CD-650L POWER	
			511F033A	PWB ASSY	CX-33W B/UP BATT TERMINAL	
			659-152A	DISPLAY	RCD-1-019R LCD FOR CD ROHM	
			511-080D	PWB ASSY	CDP CD-650L	
			316-034C	REMOCON ASSY	NO-BRAND(CD-650)	
			511B033B	PWB ASSY	CD-650 AUDIO	
			511E033A	PWB ASSY	CX-33W BATT TERMINAL	
			668-090L	INTEGRATED CIRCUIT	SBX1610-52 REMO-MODULE SONY	



## REPLACEMENT PARTS LIST

PAGE : 2

MODEL : CD-651L KR1

RUN-DATE : 90.06.28

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		BPF1	616-011G	FILTER CERAMIC	*FILTER,B-P BPMB8(88-108MHZ)	
		CF1	616-008A	FILTER CERAMIC	*FILTER,C SFE10.7MS2(BL,RD,OR	
		CF2	616-003E	FILTER CERAMIC	*FILTER,C AM SFU465B	
		CN10	561-901D	CONNECTOR	HOUSING,BTO B MX 3024-04AHPB	
		CN801	563-701P	CONNECTOR ASSY	PHR-08/IL-T08 1571#28 240	
		CN807	563-803D	CONNECTOR ASSY	PHR-07/IL-T07 2851#28 200	
		CN9	GBE+101J	*CONNECTOR ASSY GS	GS IL-G05 (21,I) 180	
		C02	CN103M59	C,CK-TUBULAR 10000PF-M Y 16		
		C05	CN103M59	C,CK-TUBULAR 10000PF-M Y 16		
		C10	CN223Z51	CAPACITOR,TUBLAR	C,CK-TUBULAR 22000PF-Z F 16V	
		C11	CN223Z51	CAPACITOR,TUBLAR	C,CK-TUBULAR 22000PF-Z F 16V	
		C12	CN121K52	C,CK-TUBULAR 120PF-K B 50V		
		C13	CE105F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 1UF-50V 5X11 -R-	
		C14	CC301J51	CAPACITOR,CERAMIC	C,CERAMIC	
		C15	CN223Z51	CAPACITOR,TUBLAR	C,CK-TUBULAR 22000PF-Z F 16V	
		C16	CE106C51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 10UF-16V 5X11 -R	
		C17	CN222M58	C,CK-TUBULAR 2200PF-M X 16V		
		C18	CQ153J53	CAPACITOR,POLYESTER	C,POLYESTER 0.015-J 100V-R	
		C19	CE335F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 3.3UF-50V 5X11 R	
		C20	CE335F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 3.3UF-50V 5X11 R	
		C21	CY152J51	CAPACITOR,POLYSTYROL	C,STYROL 1500PF-JR 50V HI-HEA	
		C22	CN103M59	C,CK-TUBULAR 10000PF-M Y 16		
		C23	CE106C51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 10UF-16V 5X11 -R	
		C24	CE105F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 1UF-50V 5X11 -R-	
		C25	CQ563J53	CAPACITOR,POLYESTER	C,POLYESTER 0.056MF	
		C26	CQ563J53	CAPACITOR,POLYESTER	C,POLYESTER 0.056MF	
		C27	CE475F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 4.7UF-50V 5X11 -	
		C28	CE475F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 4.7UF-50V 5X11 -	
		C29	CN223Z51	CAPACITOR,TUBLAR	C,CK-TUBULAR 22000PF-Z F 16V	
		C3	CX4R7K56	CAPACITOR,TUBLAR	CC,AXIAL 4.7PF-K50V CH 1.9X3.	
		C30	CE227B51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 220UF-10V 8X11.5	
		C300	CE106C51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 10UF-16V 5X11 -R	
		C301	CN102K52	CAPACITOR,TUBLAR	CK,AXIAL 0.001MF-K50 B 1.9X3.	
		C302	CN681K52	CAPACITOR,TUBLAR	CK,AXIAL 680PF-K50V B 1.9X3.5	
		C303	CE476B51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 47UF-10V 5X11 -R	
		C304	CQ123K53	CAPACITOR,POLYESTER	C,POLYESTER 0.012UF-K 100V -R	
		C305	CE475F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 4.7UF-50V 5X11 -	
		C306/3	CQ393K53	CAPACITOR,POLYESTER	C,POLYESTER 0.039UF-K 100V -R	
		C307	CE475F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 4.7UF-50V 5X11 -	
		C32	CN223Z51	CAPACITOR,TUBLAR	C,CK-TUBULAR 22000PF-Z F 16V	
		C321	CN102K52	CAPACITOR,TUBLAR	CK,AXIAL 0.001MF-K50 B 1.9X3.	
		C322	CE475F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 4.7UF-50V 5X11 -	
		C324	CN223Z51	CAPACITOR,TUBLAR	C,CK-TUBULAR 22000PF-Z F 16V	
		C326/3	CE336B51	CAPACITOR,ELECTORLYTIC	C,ELETROLYTIC 33MF-16V -R-	
		C327	CN101K52	CAPACITOR,TUBLAR	C,CK-TUBULAR 100PF-K B 50V	
		C329	CE106C51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 10UF-16V 5X11 -R	

## [REPLACEMENT PARTS LIST]

PAGE : 3

MODEL : CD-651L KR1

RUN-DATE : 90.06.28

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		C330	CE106C51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 10UF-16V 5X11 -R	
		C331	CE476B51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 47UF-10V 5X11 -R	
		C350	CE106C51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 10UF-16V 5X11 -R	
		C351	CN102K52	CAPACITOR,TUBLAR	CK,AXIAL 0.001MF-K50 B 1.9X3.	
		C352	CN681K52	CAPACITOR,TUBLAR	CK,AXIAL 680PF-K50V B 1.9X3.5	
		C353	CE476B51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 47UF-10V 5X11 -R	
		C354	CQ123K53	CAPACITOR,POLYESTER	C,POLYESTER 0.012UF-K 100V -R	
		C355	CE106C51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 10UF-16V 5X11 -R	
		C357	CE475F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 4.7UF-50V 5X11 -	
		C358	CE107B51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 100UF-10V 6.3X11	
		C359	CE337C71	CAPACITOR,CERAMIC	330MF-16V 8X11.5 TAPPING SMS	
		C360	CE226C51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 22UF-16V 50X11-R	
		C361	CN103M59	C,CK-TUBULAR 10000PF-M Y 16		
		C362	CE105F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 1UF-50V 5X11 -R-	
		C363	CE476B51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 47UF-10V 5X11 -R	
		C371	CN102K52	CAPACITOR,TUBLAR	CK,AXIAL 0.001MF-K50 B 1.9X3.	
		C372	CE475F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 4.7UF-50V 5X11 -	
		C374	CN223Z51	CAPACITOR,TUBLAR	C,CK-TUBULAR 22000PF-Z F 16V	
		C377	CN101K52	CAPACITOR,TUBLAR	C,CK-TUBULAR 100PF-K B 50V	
		C379	CE106C51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 10UF-16V 5X11 -R	
		C380	CE106C51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 10UF-16V 5X11 -R	
		C4	CX200J54	CAPACITOR,TUBLAR	C,CC-TUBULAR 20PF-J UJ 50V	
		C401	CE475F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 4.7UF-50V 5X11 -	
		C402	CE106C51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 10UF-16V 5X11 -R	
		C403	CE337C71	CAPACITOR,CERAMIC	330MF-16V 8X11.5 TAPPING SMS	
		C404	CE475F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 4.7UF-50V 5X11 -	
		C405	CN101K52	CAPACITOR,TUBLAR	C,CK-TUBULAR 100PF-K B 50V	
		C406	CE105F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 1UF-50V 5X11 -R-	
		C407	CE105F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 1UF-50V 5X11 -R-	
		C408	CN223Z51	CAPACITOR,TUBLAR	C,CK-TUBULAR 22000PF-Z F 16V	
		C409	CE225F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 2.2UF-50V 5X11 -	
		C41	CX100J54	CAPACITOR,TUBLAR	CC,AXIAL 10PF-J50V UJ 1.9*3.	
		C410	CE104F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 0.1UF-50V 5X11 -	
		C411	CE107B51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 100UF-10V 6.3X11	
		C412	CN332M58	CAPACITOR,TUBLAR	C,CK-TUBULAR 3300PF-M X 16V	
		C413	CN182M58	CAPACITOR,TUBLAR	C,CK-TUBULAR 1800PF-M X 16V	
		C43	CY361J51	CAPACITOR,POLYSTYROL	C,STYROL 360PF-JR 50V HI-HEAT	
		C430	CN331K52	CAPACITOR,TUBLAR	C,CK-TUBULAR 330PF-J B 50V	
		C431	CE105F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 1UF-50V 5X11 -R-	
		C432	CE107D51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 100UF-25V 6.3X11	
		C433	CE107B51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 100UF-10V 6.3X11	
		C434	CX200J51	CAPACITOR,TUBLAR	C,CC-TUBULAR 20PF-J SL 50V	
		C435	CN103M59	C,CK-TUBULAR 10000PF-M Y 16		
		C436	CE107B51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 100UF-10V 6.3X11	
		C437	CE108C03	CAPACITOR,ELECTROLYTIC	12.5X25 1000MF-16V SM MC(P=5)	
		C438	CQ104K53	CAPACITOR,POLYESTER	C,POLYESTER 0.1UF-K 100V -R-	
		C44	CN223Z51	CAPACITOR,TUBLAR	C,CK-TUBULAR 22000PF-Z F 16V	
		C440	CE228D03	C,ELECTROL		
		C45	CY301J51	CAPACITOR,POLYSTYROL	C,STYROL 300PF-JR 50V HI-HEAT	
		C451	CE475F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 4.7UF-50V 5X11 -	

## [REPLACEMENT PARTS LIST]

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MODEL : CD-651L KR1

RUN-DATE : 90.06.28

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		C454	CE475F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 4.7UF-50V 5X11	
		C455	CN101K52	CAPACITOR,TUBLAR	C,CK-TUBULAR 100PF-K B 50V	
		C456	CE105F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 1UF-50V 5X11 -R-	
		C457	CE105F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 1UF-50V 5X11 -R-	
		C458	CN223Z51	CAPACITOR,TUBLAR	C,CK-TUBULAR 22000PF-Z F 16V	
		C459	CE225F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 2.2UF-50V 5X11 -	
		C46	CN221K52	CAPACITOR,TUBLAR	C,CK-TUBULAR 220PF-K B 50V	
		C460	CE104F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 0.1UF-50V 5X11 -	
		C462	CN332M58	CAPACITOR,TUBLAR	C,CK-TUBULAR 3300PF-M X 16V	
		C463	CN182M58	CAPACITOR,TUBLAR	C,CK-TUBULAR 1800PF-M X 16V	
		C47	CN223Z51	CAPACITOR,TUBLAR	C,CK-TUBULAR 22000PF-Z F 16V	
		C48	CE106C51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 10UF-16V 5X11 -R-	
		C480	CN331K52	CAPACITOR,TUBLAR	C,CK-TUBULAR 330PF-J B 50V	
		C481	CE105F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 1UF-50V 5X11 -R-	
		C482	CE226B51	CAPACITOR,ELECTORLYTIC	C,ELECTROLYTIC 22MF 10V-R	
		C483	CE107B51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 100UF-10V 6.3X11	
		C484	CX200J51	CAPACITOR,TUBLAR	C,CC-TUBULAR 20PF-J SL 50V	
		C485	CN103M59	C,CK-TUBULAR 10000PF-M Y 16		
		C486	CE107B51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 100UF-10V 6.3X11	
		C487	CE108C03	CAPACITOR,ELECTROLYTIC	12.5X25 1000MF-16V SM MC(P=5)	
		C488	CQ104K53	CAPACITOR,POLYESTER	C,POLYESTER 0.1UF-K 100V -R-	
		C49	CX200J54	CAPACITOR,TUBLAR	C,CC-TUBULAR 20PF-J UJ 50V	
		C50	CC560J56	CAPACITOR,CERAMIC	D10(TWP-8102 BG1)	
		C501	CE227B51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 220UF-10V 8X11.5	
		C502	CE475C55	CAPACITOR,ELECTROLYTIC	5X11 4.7MF-16V BP(D) TP	
		C503	CE337C71	CAPACITOR,CERAMIC	330MF-16V 8X11.5 TAPPING SMS	
		C504	CE227C51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 220MF-16V 10X12	
		C505	CE228D03	C,ELECTROL		
		C506	CE227C51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 220MF-16V 10X12	
		C507	CE227C51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 220MF-16V 10X12	
		C508	CE227C51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 220MF-16V 10X12	
		C509	CE228D03	C,ELECTROL		
		C51	CX100J54	CAPACITOR,TUBLAR	CC,AXIAL 10PF-J50V UJ 1.9*3.	
		C510	CK223Z52	CAPACITOR,CERAMIC	C,CERAMIC CK 0.022UF-Z 50V -R	
		C511	CK223Z52	CAPACITOR,CERAMIC	C,CERAMIC CK 0.022UF-Z 50V -R	
		C512	CK223Z52	CAPACITOR,CERAMIC	C,CERAMIC CK 0.022UF-Z 50V -R	
		C513	CK223Z52	CAPACITOR,CERAMIC	C,CERAMIC CK 0.022UF-Z 50V -R	
		C514	CE336C51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 33UF-16V 5X11 -R	
		C515	CN103M59	C,CK-TUBULAR 10000PF-M Y 16		
		C516	CE337C71	CAPACITOR,CERAMIC	330MF-16V 8X11.5 TAPPING SMS	
		C517	CN223Z51	CAPACITOR,TUBLAR	C,CK-TUBULAR 22000PF-Z F 16V	
		C518	CE106C51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 10UF-16V 5X11 -R	
		C519	CN223Z51	CAPACITOR,TUBLAR	C,CK-TUBULAR 22000PF-Z F 16V	
		C520	CN223Z51	CAPACITOR,TUBLAR	C,CK-TUBULAR 22000PF-Z F 16V	
		C6	CC050D56	CAPACITOR,CERAMIC	C,CERAMIC CC 5PF-D CH 50V-R-	
		C601	CY391J51	CAPACITOR,POLYSTYROL	C,STYROL 390PF-JR 50V HI-HEAT	
		C602	CY821J51	CAPACITOR,POLYSTYROL	C,STYROL 820PF-JR 50V HI-HEAT	
		C603	CY682J53	CAPACITOR,CERAMIC	6800PF-JR 50V HI-HEAT	
		C604	CE476B51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 47UF-10V 5X11 -R	
		C605	CQ153K53	CAPACITOR,POLYESTER	C,POLYESTER 0.015UF-K 100V -R	

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		C606	CN332M58	CAPACITOR,TUBLAR	C,CK-TUBULAR 3300PF-M X 16V	
		C607	CN472M56	CAPACITOR,TUBLAR	CK,AXIAL 0.0047MF-M50B 1.9X3.	
		C608	CE337C71	CAPACITOR,CERAMIC	330MF-16V 8X11.5 TAPPING SMS	
		C611	CE226C51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 22UF-16V 50X11-R	
		C612	CE475F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 4.7UF-50V 5X11 -	
		C613	CE104F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 0.1UF-50V 5X11 -	
		C614	CE226C51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 22UF-16V 50X11-R	
		C617	CN103M59	C,CK-TUBULAR 10000PF-M Y 16		
		C619	CE335F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 3.3UF-50V 5X11 R	
		C620	CE476B01	CAPACITOR,ELECTORLYTIC	C,ELECTROLYTIC 47MF 10V	
		C7	CC200J56	CAPACITOR,CERAMIC	C,CERAMIC CC 20PF-J NP=0 50V	
		C701	CE475F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 4.7UF-50V 5X11 -	
		C702	CE477C03	CAPACITOR,ELECTROLYTIC	10X20 470MF-16V SM MC(P=5)	
		C703	CN101K52	CAPACITOR,TUBLAR	C,CK-TUBULAR 100PF-K B 50V	
		C704	CE105F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 1UF-50V 5X11 -R-	
		C705	CN101K52	CAPACITOR,TUBLAR	C,CK-TUBULAR 100PF-K B 50V	
		C706	CN103M59	C,CK-TUBULAR 10000PF-M Y 16		
		C711	CE227B51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 220UF-10V 8X11.5	
		C712	CE475F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 4.7UF-50V 5X11 -	
		C713	CE475F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 4.7UF-50V 5X11 -	
		C8	CC200J62	CAPACITOR,CERAMIC	20PF-J TH 50V	
		C800	CE337C71	CAPACITOR,CERAMIC	330MF-16V 8X11.5 TAPPING SMS	
		C801	CN103M59	C,CK-TUBULAR 10000PF-M Y 16		
		C802	CE107B51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 100UF-10V 6.3X11	
		C803	CE336A51	CAPACITOR,ELECTORLYTIC	OLYTIC 33MF 6.3V	
		C804	CQ224J33	CAPACITOR,POLYESTER	C,P-ESTER 0.22MF-J100 H12X11	
		C805	CQ334J33	CAPACITOR,POLYESTER	C,P-ESTER SM 0.33-J100 H=15.5	
		C806	CE107B51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 100UF-10V 6.3X11	
		C809	CX270J51	CAPACITOR,TUBLAR	27PF-J SL 50V	
		C810	CN472M56	CAPACITOR,TUBLAR	CK,AXIAL 0.0047MF-M50B 1.9X3.	
		C811	CE336A51	CAPACITOR,ELECTORLYTIC	OLYTIC 33MF 6.3V	
		C813	CQ333J53	CAPACITOR,POLYESTER	C,POLYESTER 0.033MF-J 100V -R	
		C815	CN103M59	C,CK-TUBULAR 10000PF-M Y 16		
		C816	CQ333J53	CAPACITOR,POLYESTER	C,POLYESTER 0.033MF-J 100V -R	
		C817	CE474F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 0.47UF-50V 5X11	
		C818	CN223Z51	CAPACITOR,TUBLAR	C,CK-TUBULAR 22000PF-Z F 16V	
		C820	CN472M56	CAPACITOR,TUBLAR	CK,AXIAL 0.0047MF-M50B 1.9X3.	
		C822	CN102K52	CAPACITOR,TUBLAR	CK,AXIAL 0.001MF-K50 B 1.9X3.	
		C823	CQ104J53	CAPACITOR,POLYESTER	C,POLYESTER 0.1MF-J 100V -R-	
		C824	CQ224J33	CAPACITOR,POLYESTER	C,P-ESTER 0.22MF-J100 H12X11	
		C825	CE475F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 4.7UF-50V 5X11 -	
		C826	CQ104J53	CAPACITOR,POLYESTER	C,POLYESTER 0.1MF-J 100V -R-	
		C827	CE224F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 0.22UF-50V 5X11	
		C828	CE226C51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 22UF-16V 50X11-R	
		C829	CN471K52	HANDLE	C,CK-FUBULAR 470PF-K B 52V	
		C830	CN103M59	C,CK-TUBULAR 10000PF-M Y 16		
		C831	CN471K52	HANDLE	C,CK-FUBULAR 470PF-K B 52V	
		C840	CN102K52	CAPACITOR,TUBLAR	CK,AXIAL 0.001MF-K50 B 1.9X3.	
		C841	CE336A51	CAPACITOR,ELECTORLYTIC	OLYTIC 33MF 6.3V	
		C842	CN103M59	C,CK-TUBULAR 10000PF-M Y 16		

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		C843	CE475F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 4.7UF-50V 5X11 -	
		C844	CE476C51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 47UF-16V 6.3X11	
		C845	CE476C51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 47UF-16V 6.3X11	
		C846	CE227B51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 220UF-10V 8X11.5	
		C847	CN103M59	C,CK-TUBULAR 10000PF-M Y 16		
		C849	CX150J56	CAPACITOR,TUBLAR	CC,AXIAL 15PF-J50V CH 1.9X3.5	
		C850	CN103M59	C,CK-TUBULAR 10000PF-M Y 16		
		C851	CX150J56	CAPACITOR,TUBLAR	CC,AXIAL 15PF-J50V CH 1.9X3.5	
		C852	CN101K52	CAPACITOR,TUBLAR	C,CK-TUBULAR 100PF-K B 50V	
		C853	CE107B51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 100UF-10V 6.3X11	
		C854	CN223Z51	CAPACITOR,TUBLAR	C,CK-TUBULAR 22000PF-Z F 16V	
		C858	CN223Z51	CAPACITOR,TUBLAR	C,CK-TUBULAR 22000PF-Z F 16V	
		C859	CN103M59	C,CK-TUBULAR 10000PF-M Y 16		
		C861	CN222K52	CAPACITOR,CERAMIC	0.0022	
		C862	CN272M58	CAPACITOR,TUBLAR	2700PF-M X 16V	
		C863	CE105F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 1UF-50V 5X11 -R-	
		C864	CX4R7K56	CAPACITOR,TUBLAR	CC,AXIAL 4.7PF-K50V CH 1.9X3.	
		C867	CE105F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 1UF-50V 5X11 -R-	
		C868	CQ333J53	CAPACITOR,POLYESTER	C,POLYESTER 0.033MF-J 100V -R	
		C869	CN471K52	HANDLE	C,CK-FUBULAR 470PF-K B 52V	
		C871	CN222K52	CAPACITOR,CERAMIC	0.0022	
		C872	CN272M58	CAPACITOR,TUBLAR	2700PF-M X 16V	
		C873	CE105F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 1UF-50V 5X11 -R-	
		C874	CX4R7K56	CAPACITOR,TUBLAR	CC,AXIAL 4.7PF-K50V CH 1.9X3.	
		C875	CE107C51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 100UF 16V 8X11.5	
		C877	CE105F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 1UF-50V 5X11 -R-	
		C878	CQ333J53	CAPACITOR,POLYESTER	C,POLYESTER 0.033MF-J 100V -R	
		C879	CN471K52	HANDLE	C,CK-FUBULAR 470PF-K B 52V	
		C880	CN223Z51	CAPACITOR,TUBLAR	C,CK-TUBULAR 22000PF-Z F 16V	
		C881	CN223Z51	CAPACITOR,TUBLAR	C,CK-TUBULAR 22000PF-Z F 16V	
		C882	CN223Z51	CAPACITOR,TUBLAR	C,CK-TUBULAR 22000PF-Z F 16V	
		C883	CE474F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 0.47UF-50V 5X11	
		C890	CN223Z51	CAPACITOR,TUBLAR	C,CK-TUBULAR 22000PF-Z F 16V	
		C9	CC050D56	CAPACITOR,CERAMIC	C,CERAMIC CC 5PF-D CH 50V-R-	
		C900	CE105F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 1UF-50V 5X11 -R-	
		C901	CN223Z51	CAPACITOR,TUBLAR	C,CK-TUBULAR 22000PF-Z F 16V	
		C902	CE224F51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 0.22UF-50V 5X11	
		C904	CN223Z51	CAPACITOR,TUBLAR	C,CK-TUBULAR 22000PF-Z F 16V	
		C905	CN223Z51	CAPACITOR,TUBLAR	C,CK-TUBULAR 22000PF-Z F 16V	
		C941	CQ223J03	CAPACITOR,POLYESTER	C,POLYESTER 0.022MF-J 100V	
		C961	CC180J56	C,CERAMIC CC 18P-J NP=0 50V		
		C962	CC180J56	C,CERAMIC CC 18P-J NP=0 50V		
		C963	CE337B31	CAPACITOR,ELECTROLYTIC	10X9 330MF-10V SR	
		C964	CN101K52	CAPACITOR,TUBLAR	C,CK-TUBULAR 100PF-K B 50V	
		C965	CN223Z51	CAPACITOR,TUBLAR	C,CK-TUBULAR 22000PF-Z F 16V	
		C968	CN223Z51	CAPACITOR,TUBLAR	C,CK-TUBULAR 22000PF-Z F 16V	
		C969	CN223Z51	CAPACITOR,TUBLAR	C,CK-TUBULAR 22000PF-Z F 16V	
		C970	CN223Z51	CAPACITOR,TUBLAR	C,CK-TUBULAR 22000PF-Z F 16V	
		C971	CX100J51	CAPACITOR,TUBLAR	10PF-J SL 50V	
		C972	CX270J51	CAPACITOR,TUBLAR	27PF-J SL 50V	

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		C973	CX330J51	CAPACITOR,TUBULAR	C,CC-TUBULAR 33PF-J SL 50V	
		C974	CE107B51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 100UF-10V 6.3X11	
		C999	CE107D51	CAPACITOR,ELECTORLYTIC	C,ELECT CE04 100UF-25V 6.3X11	
		D1	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D2	654T418A	DIODE BIASING	AFC KDS2236-FTB	
		D301	651T003A	DIODE	*DIODE,SWITCH DS4148 AUTO	
		D501	654T723C	DIODE BIASING	*DIODE,ZENER UZ6.8B,M(TP-B)	
		D502	654T723G	DIODE BIASING	*DIODE,ZENER UZ10B,M(TP-B)	
		D503	654T724C	DIODE BIASING	*DIODE,ZENER UZ13B,M(TP-B)	
		D505	654T723G	DIODE BIASING	*DIODE,ZENER UZ10B,M(TP-B)	
		D506	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D507	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D510	652-010D	DIODE RECTIFIER	RECT,IN5402 FORMING SILITEK	
		D511	652-010D	DIODE RECTIFIER	RECT,IN5402 FORMING SILITEK	
		D512	652-010D	DIODE RECTIFIER	RECT,IN5402 FORMING SILITEK	
		D513	652-010D	DIODE RECTIFIER	RECT,IN5402 FORMING SILITEK	
		D514	654T724C	DIODE BIASING	*DIODE,ZENER UZ13B,M(TP-B)	
		D601	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D602	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D603	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D604	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D605	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D606	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D613	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D641	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D644	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D712	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D801	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D802	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D803	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D804	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D805	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D806	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D807	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D808	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D809	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D811	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D812	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D813	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D814	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D815	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D816	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D817	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D820	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D830	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D831	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D832	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D833	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D834	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D835	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	

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		D836	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D837	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D838	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D839	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		D954	651T031A	DIODE	*DIODE,SWITCH 1SS132 AUTO	
		FR970	614-016B	RESISTOR WIRE WOUND DOIB	R,FUSE 4.7-1/4W FRN"A" KAMAY	
		F501	585-503A	FUSE	,250-315MA SEMKO 5X20 T/L	
		F502	585-509A	FUSE	*FUSE,250-1A SEMKO 5X20 T/L50	
		IC1	668-108D	INTEGRATED CIRCUIT	*IC,KIA7358P FM FND KEC	
		IC2	668-221B	INTEGRATED CIRCUIT	LA1805 AM/FM IF+MDX SANYO	
		IC301	668-660C	INTEGRATED CIRCUIT	,LA3246 PRE AMP P/B SANYO	
		IC321	668-163E	INTEGRATED CIRCUIT	BA3308 DUAL EQ ALC ROH	
		IC401	668-051M	INTEGRATED CIRCUIT	IC KIA4558P OP AMP KEC	
		IC403	668-419C	INTEGRATED CIRCUIT	LA4505 PWR 7W*2 SANYO	
		IC501	668-680A	INTEGRATED CIRCUIT	*IC,BA6218 MOTOR DRIVE ROHM	
		IC801	668-805A	INTEGRATED CIRCUIT	,CXA1081S RF AMP(CD) SONY	
		IC802	668-801C	INTEGRATED CIRCUIT	BA6290 DRIVE MOTORROHM	
		IC803	668-801C	INTEGRATED CIRCUIT	BA6290 DRIVE MOTORROHM	
		IC804	668-805B	INTEGRATED CIRCUIT	CXA1082 SERVO SP(CD) SONY	
		IC805	668-051M	INTEGRATED CIRCUIT	IC KIA4558P OP AMP KEC	
		IC806	668-526A	IC MC14511BCP (LATCH)		
		IC807	668-662A	INTEGRATED CIRCUIT	IC LC4066B SANYO ANALOG SW	
		ZD970	654T722E	DIODE BIASING	*DIODE,ZENER DZ5.1B(UZ5.1B)	
		IC808	668-804E	INTEGRATED CIRCUIT	UPD6372CX DAC FOR CDNEC	
		IC809	668-051M	INTEGRATED CIRCUIT	IC KIA4558P OP AMP KEC	
		IC810	668-508I	INTEGRATED CIRCUIT	HM6116-120 16K S-RAM HMC	
		IC901	668-803E	INTEGRATED CIRCUIT	HD49215 DSPHITA	
		IC902	668-802K	INTEGRATED CIRCUIT	HD404808A28FS U-COM HITA	
		IC903	668-043C	INTEGRATED CIRCUIT	PS573E TO-92 3.9V MITSUMI	
		IC904	668-085D	INTEGRATED CIRCUIT	S-81250HG VOL RGT 12V SEICO	
		IC905	668-084C	INTEGRATED CIRCUIT	MC7805 VOLT REGULATOR MOTO	
		J401	571-900B	JACK 3.5	JACK,D=3.5 LGS6507-0202 SMK	
		J701	571-001B	JACK 35	JACK,D3.5 HCY3502 W/NUT	
		LD951	653-622A	LED	*LED,SLT35UR3,RD ROHM	
		LD952	653-622A	LED	*LED,SLT35UR3,RD ROHM	
		LPF861	638-109I	COIL TRAP FM	LPF-K7-J1	
		LPF871	638-109I	COIL TRAP FM	LPF-K7-J1	
		L1	635-009H	COIL RF FM	*COIL,RF FM 3.5T	
		L2	635-020B	COIL RF FM	*COIL, RF(OSC)FM 1-3/4T	
		L3	632-211F	COIL ANTENNA	COIL ANT BAR MW/LW 100MM(L82	
		L321	639T003N	INDUCTOR	3.3MH,EL0607RA332J TDK	
		L371	639T003N	INDUCTOR	3.3MH,EL0607RA332J TDK	
		L6	634-037K	COIL OSCILLATOR	*COIL,OSC MW 7 (130UH)	
		L7	634-037S	COIL OSCILLATOR	*COIL, OSC LW 7(170UH)	
		L801	639T004H	INDUCTOR	3.3UH,LAP02NA3R3K AXIAL	
		L802	639T004H	INDUCTOR	3.3UH,LAP02NA3R3K AXIAL	
		L961	639T004H	INDUCTOR	3.3UH,LAP02NA3R3K AXIAL	
		L962	639T004H	INDUCTOR	3.3UH,LAP02NA3R3K AXIAL	
		PN10	561-902D	CONNECTOR	WAFER,B TO B MX 3022-04A	
		PN11	561-715C	CONNECTOR	*WAFER, G/S 60;-G-03P-S3T2-E	

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S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		PN12	561-715D	CONNECTOR	*WAFER, G/S GIL-G-04P-S3T2-E	
		PN12	561-715C	CONNECTOR	*WAFER, G/S GO:-G-03P-S3T2-E	
		PN13	561-715D	CONNECTOR	*WAFER, G/S GIL-G-04P-S3T2-E	
		PN15	561-715D	CONNECTOR	*WAFER, G/S GIL-G-04P-S3T2-E	
		PN16	561-715F	CONNECTOR	*WAFER, G/S GIL-G-06P-S3T2-EA	
		PN17	561-715G	CONNECTOR	*WAFER, G/S GIL-G-07P-S3T2-E	
		PN17	561-715D	CONNECTOR	*WAFER, G/S GIL-G-04P-S3T2-E	
		PN19	561-715E	CONNECTOR	*WAFER, G/S GIL-G-05P-S3T2-E	
		PN20	561-715D	CONNECTOR	*WAFER, G/S GIL-G-04P-S3T2-E	
		PN21	561-715D	CONNECTOR	*WAFER, G/S GIL-G-04P-S3T2-E	
		PN22	561-715C	CONNECTOR	*WAFER, G/S GO:-G-03P-S3T2-E	
		PN24	561-715B	CONNECTOR	*WAFER, G/S GIL-G-02P-S3T2-E	
		PN3	561-715E	CONNECTOR	*WAFER, G/S GIL-G-05P-S3T2-E	
		PN4	561-715C	CONNECTOR	*WAFER, G/S GO:-G-03P-S3T2-E	
		PN5	561-715D	CONNECTOR	*WAFER, G/S GIL-G-04P-S3T2-E	
		PN6	561-715B	CONNECTOR	*WAFER, G/S GIL-G-02P-S3T2-E	
		PN802	561-700B	CONNECTOR	WAFER TAIKO TSL-P02P-B1	
		PN803	561-701E	CONNECTOR	WAFER TAIKO TSL-P05P-B1	
		PN805	561-715C	CONNECTOR	*WAFER, G/S GO:-G-03P-S3T2-E	
		PN806	561-715B	CONNECTOR	*WAFER, G/S GIL-G-02P-S3T2-E	
		PN9	561-715E	CONNECTOR	*WAFER, G/S GIL-G-05P-S3T2-E	
		Q1	665T820B	TRANSISTOR	TR,KEC KTC380TM-0 TAPE TO-92	
		Q301	665T716D	TRANSISTOR	TR,KEC KRC1210 TAPE MINI	
		Q322	665T812B	TRANSISTOR	*TR,KEC KTC1815-Y AF NPN TO-9	
		Q351	665T716D	TRANSISTOR	TR,KEC KRC1210 TAPE MINI	
		Q372	665T812B	TRANSISTOR	*TR,KEC KTC1815-Y AF NPN TO-9	
		Q401	665T812B	TRANSISTOR	*TR,KEC KTC1815-Y AF NPN TO-9	
		Q402	665T812B	TRANSISTOR	*TR,KEC KTC1815-Y AF NPN TO-9	
		Q431	665T814C	TRANSISTOR	TR,KEC KTC1959-GR TAPE TO-92	
		Q451	665T812B	TRANSISTOR	*TR,KEC KTC1815-Y AF NPN TO-9	
		Q452	665T812B	TRANSISTOR	*TR,KEC KTC1815-Y AF NPN TO-9	
		Q481	665T814C	TRANSISTOR	TR,KEC KTC1959-GR TAPE TO-92	
		Q501	665T881C	TRANSISTOR	TR,KEC KTC2236A-Y TAPE TO-92M	
		Q502	664-601D	TRANSISTOR	KTD2058-Y PWR KE	
		Q503	664-601D	TRANSISTOR	KTD2058-Y PWR KE	
		Q505	665T812B	TRANSISTOR	*TR,KEC KTC1815-Y AF NPN TO-9	
		Q506	664-601D	TRANSISTOR	KTD2058-Y PWR KE	
		Q507	664-602C	TRANSISTOR	*TR,KEC KTB834-Y PWR 30W NPN	
		Q508	665T813B	TRANSISTOR	TR,KEC KTA1015-Y AF PNP TO-9	
		Q509	665T812B	TRANSISTOR	*TR,KEC KTC1815-Y AF NPN TO-9	
		Q510	665T881C	TRANSISTOR	TR,KEC KTC2236A-Y TAPE TO-92M	
		Q511	665T813B	TRANSISTOR	TR,KEC KTA1015-Y AF PNP TO-9	
		Q601	665T814C	TRANSISTOR	TR,KEC KTC1959-GR TAPE TO-92	
		Q602	665T812B	TRANSISTOR	*TR,KEC KTC1815-Y AF NPN TO-9	
		Q603	665T812B	TRANSISTOR	*TR,KEC KTC1815-Y AF NPN TO-9	
		Q604	665T716D	TRANSISTOR	TR,KEC KRC1210 TAPE MINI	
		Q605	665T716D	TRANSISTOR	TR,KEC KRC1210 TAPE MINI	
		Q606	665T813B	TRANSISTOR	TR,KEC KTA1015-Y AF PNP TO-9	
		Q607	665T814C	TRANSISTOR	TR,KEC KTC1959-GR TAPE TO-92	
		Q610	665T812B	TRANSISTOR	*TR,KEC KTC1815-Y AF NPN TO-9	



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		Q611	665T812B	TRANSISTOR	*TR,KEC KTC1815-Y AF NPN TO-9	
		Q612	665T813B	TRANSISTOR	TR,KEC KTA1015-Y AF PNP TO-9	
		Q613	665T814C	TRANSISTOR	TR,KEC KTC1959-GR TAPE TO-92	
		Q615	665T716D	TRANSISTOR	TR,KEC KRC1210 TAPE MINI	
		Q701	665T816B	TRANSISTOR	KTC732TM-BL TAPE TO-92 KEC (S	
		Q711	665T716D	TRANSISTOR	TR,KEC KRC1210 TAPE MINI	
		Q712	665T812B	TRANSISTOR	*TR,KEC KTC1815-Y AF NPN TO-9	
		Q801	665T831B	TRANSISTOR	TR,KEC KTA950-Y TAPE TO-92	
		Q802	665T719A	TRANSISTOR	KRA2204-TP KEC	
		Q803	665T716D	TRANSISTOR	TR,KEC KRC1210 TAPE MINI	
		Q804	665T716D	TRANSISTOR	TR,KEC KRC1210 TAPE MINI	
		Q805	665T716D	TRANSISTOR	TR,KEC KRC1210 TAPE MINI	
		Q811	665T719A	TRANSISTOR	KRA2204-TP KEC	
		Q813	665T719A	TRANSISTOR	KRA2204-TP KEC	
		Q814	665T812C	TRANSISTOR	TR,KEC KTC1815-GR AF NPN TO9	
		Q861	665T716D	TRANSISTOR	TR,KEC KRC1210 TAPE MINI	
		Q862	665T001A	TRANSISTOR	TR,2SD1012-G TAPE AF SANY	
		Q863	665T719A	TRANSISTOR	KRA2204-TP KEC	
		Q864	665T716D	TRANSISTOR	TR,KEC KRC1210 TAPE MINI	
		Q865	665T719A	TRANSISTOR	KRA2204-TP KEC	
		Q866	665T716D	TRANSISTOR	TR,KEC KRC1210 TAPE MINI	
		Q871	665T716D	TRANSISTOR	TR,KEC KRC1210 TAPE MINI	
		Q872	665T001A	TRANSISTOR	TR,2SD1012-G TAPE AF SANY	
		Q911	665T812C	TRANSISTOR	TR,KEC KTC1815-GR AF NPN TO9	
		Q912	665T812C	TRANSISTOR	TR,KEC KTC1815-GR AF NPN TO9	
		Q971	665T001A	TRANSISTOR	TR,2SD1012-G TAPE AF SANY	
		RV1	613-007D	RESISTOR SEMI-FIXED	,S-FIXED RH0615C-10KB	
		RV601	613-007C	RESISTOR SEMI-FIXED	,SEMI RH0615C-2.2KB	
		RV602	613-007C	RESISTOR SEMI-FIXED	,SEMI RH0615C-2.2KB	
		R01	RD101J26	RESISTOR,CARBON FILM	R,CARBON 100-J 1/6W 5MM TAPE	
		R02	RD101J26	RESISTOR,CARBON FILM	R,CARBON 100-J 1/6W 5MM TAPE	
		R04	RD101J26	RESISTOR,CARBON FILM	R,CARBON 100-J 1/6W 5MM TAPE	
		R08	RD101J26	RESISTOR,CARBON FILM	R,CARBON 100-J 1/6W 5MM TAPE	
		R09	RD104J26	RESISTOR,CARBON FILM	R,CARBON 100K-J 1/6W 5MM TAPE	
		R10	RD104J26	RESISTOR,CARBON FILM	R,CARBON 100K-J 1/6W 5MM TAPE	
		R11	RD562J26	RESISTOR,CARBON FILM	R,CARBON 5.6K-J 1/6W 5MM TAPE	
		R12	RD473J26	RESISTOR,CARBON FILM	R,CARBON 47K-J 1/6W 5MM TAPE	
		R13	RD101J26	RESISTOR,CARBON FILM	R,CARBON 100-J 1/6W 5MM TAPE	
		R14	RD153J26	RESISTOR,CARBON FILM	R,CARBON 15K-J 1/6W 5MM TAPE	
		R15	RD821J26	RESISTOR,CARBON FILM	R,CARBON 820-J 1/6W2W 5MM TAP	
		R16	RD101J22	RESISTOR,CARBON FILM	R,CARBON FILM 100J 1/4W TAPE	
		R17	RD221J22	RESISTOR,CARBON FILM	R,CARBON FILM 220J 1/4W TAPE	
		R18	RD102J26	RESISTOR,CARBON FILM	R,CARBON 1K-J 1/6W 5MM TAPE	
		R19	RD102J26	RESISTOR,CARBON FILM	R,CARBON 1K-J 1/6W 5MM TAPE	
		R20	RD153J26	RESISTOR,CARBON FILM	R,CARBON 15K-J 1/6W 5MM TAPE	
		R21	RD153J26	RESISTOR,CARBON FILM	R,CARBON 15K-J 1/6W 5MM TAPE	
		R22	RD104J26	RESISTOR,CARBON FILM	R,CARBON 100K-J 1/6W 5MM TAPE	
		R23	RD101J26	RESISTOR,CARBON FILM	R,CARBON 100-J 1/6W 5MM TAPE	
		R3	RD182J26	RESISTOR,CARBON FILM	R,CARBON 1.8K-J 1/6W 5MM TAPE	
		R300	RD104J26	RESISTOR,CARBON FILM	R,CARBON 100K-J 1/6W 5MM TAPE	

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		R301	RD820J26	RESISTOR,CARBON FILM	R,CARBON 82-J 1/6W 5MM TAPE	
		R302	RD123J26	RESISTOR,CARBON FILM	R,CARBON 12K-J 1/6W 5MM TAPE	
		R303	RD103J26	RESISTOR,CARBON FILM	R,CARBON 10K-J 1/6W 5MM TAPE	
		R304	RD222J26	RESISTOR,CARBON FILM	R,CARBON 2.2K-J 1/6W 5MM TAPE	
		R307	RD821J26	RESISTOR,CARBON FILM	R,CARBON 820-J 1/6W2W 5MM TAP	
		R308	RD103J26	RESISTOR,CARBON FILM	R,CARBON 10K-J 1/6W 5MM TAPE	
		R309	RD392J22	RESISTOR,CARBON FILM	R,CARBON FILM 3.9K-J 1/4W TAP	
		R310	RD563J26	RESISTOR,CARBON FILM	R,CARBON 56K-J 1/6W 5MM TAPE	
		R311	RD123J26	RESISTOR,CARBON FILM	R,CARBON 12K-J 1/6W 5MM TAPE	
		R312	RD563J26	RESISTOR,CARBON FILM	R,CARBON 56K-J 1/6W 5MM TAPE	
		R313	RD103J22	RESISTOR,CARBON FILM	R,CARBON FILM 10K-J 1/4W TAPE	
		R314	RD221J26	RESISTOR,CARBON FILM	R,CARBON 220-J 1/6W 5MM TAPE	
		R315	RD472J26	RESISTOR,CARBON FILM	R,CARBON 4.7K -J 1/6W 5MM TAP	
		R316	RD473J26	RESISTOR,CARBON FILM	R,CARBON 47K-J 1/6W 5MM TAPE	
		R317	RD104J26	RESISTOR,CARBON FILM	R,CARBON 100K-J 1/6W 5MM TAPE	
		R321	RD123J26	RESISTOR,CARBON FILM	R,CARBON 12K-J 1/6W 5MM TAPE	
		R324	RD471J26	RESISTOR,CARBON FILM	R,CARBON 470-J 1/6W 5MM TAPE	
		R325	RD102J26	RESISTOR,CARBON FILM	R,CARBON 1K-J 1/6W 5MM TAPE	
		R326	RD332J26	RESISTOR,CARBON FILM	R,CARBON 3.3K-J 1/6W 5MM TAPE	
		R327/3	RD334J26	RESISTOR,CARBON FILM	R,CARBON 330K-J 1/6W 5MM TAPE	
		R328/3	RD331J26	RESISTOR,CARBON FILM	R,CARBON 330-J 1/6W 5MM TAPE	
		R329	RD273J26	RESISTOR,CARBON FILM	R,CARBON 27K-J 1/6W 5MM TAPE	
		R330/3	RD683J26	RESISTOR,CARBON FILM	R,CARBON 68K-J 1/6W 5MM TAPE	
		R331	RD563J26	RESISTOR,CARBON FILM	R,CARBON 56K-J 1/6W 5MM TAPE	
		R332	RD224J26	RESISTOR,CARBON FILM	R,CARBON 220K-J 1/6W 5MM TAP	
		R350	RD104J26	RESISTOR,CARBON FILM	R,CARBON 100K-J 1/6W 5MM TAPE	
		R351	RD820J26	RESISTOR,CARBON FILM	R,CARBON 82-J 1/6W 5MM TAPE	
		R352	RD123J26	RESISTOR,CARBON FILM	R,CARBON 12K-J 1/6W 5MM TAPE	
		R353	RD103J26	RESISTOR,CARBON FILM	R,CARBON 10K-J 1/6W 5MM TAPE	
		R354	RD222J26	RESISTOR,CARBON FILM	R,CARBON 2.2K-J 1/6W 5MM TAPE	
		R355	RD682J26	RESISTOR,CARBON FILM	R,CARBON 6.8K-J 1/6W 5MM TAPE	
		R356	RD333J26	RESISTOR,CARBON FILM	R,CARBON 33K-J 1/6W 5MM TAPE	
		R357	RD821J26	RESISTOR,CARBON FILM	R,CARBON 820-J 1/6W2W 5MM TAP	
		R358	RD103J26	RESISTOR,CARBON FILM	R,CARBON 10K-J 1/6W 5MM TAPE	
		R359	RD392J22	RESISTOR,CARBON FILM	R,CARBON FILM 3.9K-J 1/4W TAP	
		R360	RD103J26	RESISTOR,CARBON FILM	R,CARBON 10K-J 1/6W 5MM TAPE	
		R361	RD333J26	RESISTOR,CARBON FILM	R,CARBON 33K-J 1/6W 5MM TAPE	
		R362	RD563J26	RESISTOR,CARBON FILM	R,CARBON 56K-J 1/6W 5MM TAPE	
		R363	RD333J26	RESISTOR,CARBON FILM	R,CARBON 33K-J 1/6W 5MM TAPE	
		R364	RD103J26	RESISTOR,CARBON FILM	R,CARBON 10K-J 1/6W 5MM TAPE	
		R365	RD472J26	RESISTOR,CARBON FILM	R,CARBON 4.7K -J 1/6W 5MM TAP	
		R366	RD473J22	RESISTOR,CARBON FILM	R,CARBON FILM 47K-J 1/4W TAPE	
		R367	RD104J26	RESISTOR,CARBON FILM	R,CARBON 100K-J 1/6W 5MM TAPE	
		R371	RD123J26	RESISTOR,CARBON FILM	R,CARBON 12K-J 1/6W 5MM TAPE	
		R374	RD471J26	RESISTOR,CARBON FILM	R,CARBON 470-J 1/6W 5MM TAPE	
		R375	RD102J26	RESISTOR,CARBON FILM	R,CARBON 1K-J 1/6W 5MM TAPE	
		R376	RD332J26	RESISTOR,CARBON FILM	R,CARBON 3.3K-J 1/6W 5MM TAPE	
		R379	RD273J26	RESISTOR,CARBON FILM	R,CARBON 27K-J 1/6W 5MM TAPE	
		R381	RD563J26	RESISTOR,CARBON FILM	R,CARBON 56K-J 1/6W 5MM TAPE	
		R40	RD220J26	RESISTOR,CARBON FILM	R,CARBON 22-J 1/6W 5MM TAPE	

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		R401	RD332J26	RESISTOR,CARBON FILM	R,CARBON 3.3K-J 1/6W 5MM TAPE	
		R402	RD563J26	RESISTOR,CARBON FILM	R,CARBON 56K-J 1/6W 5MM TAPE	
		R404	RD273J26	RESISTOR,CARBON FILM	R,CARBON 27K-J 1/6W 5MM TAPE	
		R405	RD101J26	RESISTOR,CARBON FILM	R,CARBON 100-J 1/6W 5MM TAPE	
		R406	RD102J26	RESISTOR,CARBON FILM	R,CARBON 1K-J 1/6W 5MM TAPE	
		R407	RD102J26	RESISTOR,CARBON FILM	R,CARBON 1K-J 1/6W 5MM TAPE	
		R408	RD472J26	RESISTOR,CARBON FILM	R,CARBON 4.7K -J 1/6W 5MM TAP	
		R409	RD474J26	RESISTOR,CARBON FILM	R, CARBON 470K-J 1/6W 5MM TAP	
		R41	RD220J26	RESISTOR,CARBON FILM	R,CARBON 22-J 1/6W 5MM TAPE	
		R410	RD392J26	RESISTOR,CARBON FILM	R,CARBON 3.9K-J 1/6W 5MM TAPE	
		R411	RD102J26	RESISTOR,CARBON FILM	R,CARBON 1K-J 1/6W 5MM TAPE	
		R412	RD122J26	RESISTOR,CARBON FILM	R,CARBON 1.2K-J 1/6W 5MM TAPE	
		R413	RD124J26	RESISTOR,CARBON FILM	R,CARBON 120K-J 1/6W 5MM TAPE	
		R414	RD471J26	RESISTOR,CARBON FILM	R,CARBON 470-J 1/6W 5MM TAPE	
		R415	RD682J26	RESISTOR,CARBON FILM	R,CARBON 6.8K-J 1/6W 5MM TAPE	
		R416	RD223J26	RESISTOR,CARBON FILM	R,CARBON 22K-J 1/6W 5MM TAPE	
		R417	RD473J26	RESISTOR,CARBON FILM	R,CARBON 47K-J 1/6W 5MM TAPE	
		R418	RD562J26	RESISTOR,CARBON FILM	R,CARBON 5.6K-J 1/6W 5MM TAPE	
		R42	RD821J26	RESISTOR,CARBON FILM	R,CARBON 820-J 1/6W2W 5MM TAP	
		R430	RD561J22	RESISTOR,CARBON FILM	R,CARBON FILM 560J 1/4W TAPE	
		R431	RD103J26	RESISTOR,CARBON FILM	R,CARBON 10K-J 1/6W 5MM TAPE	
		R432	RD151J26	RESISTOR,CARBON FILM	R,CARBON 150-J 1/6W 5MM TAPE	
		R434	RD221J22	RESISTOR,CARBON FILM	R,CARBON FILM 220J 1/4W TAPE	
		R451	RD332J26	RESISTOR,CARBON FILM	R,CARBON 3.3K-J 1/6W 5MM TAPE	
		R452	RD563J26	RESISTOR,CARBON FILM	R,CARBON 56K-J 1/6W 5MM TAPE	
		R454	RD273J26	RESISTOR,CARBON FILM	R,CARBON 27K-J 1/6W 5MM TAPE	
		R456	RD102J26	RESISTOR,CARBON FILM	R,CARBON 1K-J 1/6W 5MM TAPE	
		R458	RD472J26	RESISTOR,CARBON FILM	R,CARBON 4.7K -J 1/6W 5MM TAP	
		R459	RD474J26	RESISTOR,CARBON FILM	R, CARBON 470K-J 1/6W 5MM TAP	
		R460	RD392J26	RESISTOR,CARBON FILM	R,CARBON 3.9K-J 1/6W 5MM TAPE	
		R461	RD102J26	RESISTOR,CARBON FILM	R,CARBON 1K-J 1/6W 5MM TAPE	
		R462	RD122J26	RESISTOR,CARBON FILM	R,CARBON 1.2K-J 1/6W 5MM TAPE	
		R463	RD124J26	RESISTOR,CARBON FILM	R,CARBON 120K-J 1/6W 5MM TAPE	
		R464	RD471J26	RESISTOR,CARBON FILM	R,CARBON 470-J 1/6W 5MM TAPE	
		R465	RD682J26	RESISTOR,CARBON FILM	R,CARBON 6.8K-J 1/6W 5MM TAPE	
		R466	RD223J26	RESISTOR,CARBON FILM	R,CARBON 22K-J 1/6W 5MM TAPE	
		R467	RD473J26	RESISTOR,CARBON FILM	R,CARBON 47K-J 1/6W 5MM TAPE	
		R468	RD562J26	RESISTOR,CARBON FILM	R,CARBON 5.6K-J 1/6W 5MM TAPE	
		R480	RD561J22	RESISTOR,CARBON FILM	R,CARBON FILM 560J 1/4W TAPE	
		R481	RD103J26	RESISTOR,CARBON FILM	R,CARBON 10K-J 1/6W 5MM TAPE	
		R482	RD151J26	RESISTOR,CARBON FILM	R,CARBON 150-J 1/6W 5MM TAPE	
		R484	RD221J22	RESISTOR,CARBON FILM	R,CARBON FILM 220J 1/4W TAPE	
		R5	RD102J26	RESISTOR,CARBON FILM	R,CARBON 1K-J 1/6W 5MM TAPE	
		R501	RD561J26	RESISTOR,CARBON FILM	R,CARBON 560-J 1/6W 5MM TAPE	
		R502	614-016C	RESISTOR WIRE WOUND DOIB	R,FUSING 2.20HM-J FRN1/4 KAM	
		R504	RD561J22	RESISTOR,CARBON FILM	R,CARBON FILM 560J 1/4W TAPE	
		R506	614-016B	RESISTOR WIRE WOUND DOIB	R,FUSE 4.7-1/4W FRN"A" KAMAY	
		R507	RD471J22	RESISTOR,CARBON FILM	R,CARBON FILM 470J 1/4W TAPE	
		R508	RD103J22	RESISTOR,CARBON FILM	R,CARBON FILM 10K-J 1/4W TAPE	
		R509	RD121J26	RESISTOR,CARBON FILM	R, CARBON FILM 120-J 1/6W TAP	

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S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		R511	RD152J22	RESISTOR,CARBON FILM	R,CARBON FILM 1.5KJ 1/4W TAPE	
		R512	RD152J22	RESISTOR,CARBON FILM	R,CARBON FILM 1.5KJ 1/4W TAPE	
		R513	RD562J26	RESISTOR,CARBON FILM	R,CARBON 5.6K-J 1/6W 5MM TAPE	
		R514	RD224J22	RESISTOR,CARBON FILM	R,CARBON FILM 220K-J 1/4W TAP	
		R515	RD103J26	RESISTOR,CARBON FILM	R,CARBON 10K-J 1/6W 5MM TAPE	
		R516	RD184J26	RESISTOR,CARBON FILM	R,CARBON 180K-J 1/6W 5MM TAPE	
		R517	RD473J26	RESISTOR,CARBON FILM	R,CARBON 47K-J 1/6W 5MM TAPE	
		R518	RD101J26	RESISTOR,CARBON FILM	R,CARBON 100-J 1/6W 5MM TAPE	
		R519	RD562J26	RESISTOR,CARBON FILM	R,CARBON 5.6K-J 1/6W 5MM TAPE	
		R520	RD121J26	RESISTOR,CARBON FILM	R, CARBON FILM 120-J 1/6W TAP	
		R6	RD564J26	RESISTOR,CARBON FILM	R,CARBON 560K-J 1/6W 5MM TAPE	
		R601	RD332J26	RESISTOR,CARBON FILM	R,CARBON 3.3K-J 1/6W 5MM TAPE	
		R602	RD100J26	RESISTOR,CARBON FILM	R,CARBON 10-J 1/6W 5MM TAPE	
		R604	RD221J26	RESISTOR,CARBON FILM	R,CARBON 220-J 1/6W 5MM TAPE	
		R605	RD390J22	RESISTOR,CARBON FILM	R,CARBON FILM 39-J 1/4 TAPE	
		R606	RD103J26	RESISTOR,CARBON FILM	R,CARBON 10K-J 1/6W 5MM TAPE	
		R607	RD103J26	RESISTOR,CARBON FILM	R,CARBON 10K-J 1/6W 5MM TAPE	
		R608	RD223J26	RESISTOR,CARBON FILM	R,CARBON 22K-J 1/6W 5MM TAPE	
		R609	RD103J22	RESISTOR,CARBON FILM	R,CARBON FILM 10K-J 1/4W TAPE	
		R612	RD562J26	RESISTOR,CARBON FILM	R,CARBON 5.6K-J 1/6W 5MM TAPE	
		R613	RD223J22	RESISTOR,CARBON FILM	R,CARBON FILM 22K-J 1/4W TAPE	
		R614	RD563J26	RESISTOR,CARBON FILM	R,CARBON 56K-J 1/6W 5MM TAPE	
		R615	RD221J26	RESISTOR,CARBON FILM	R,CARBON 220-J 1/6W 5MM TAPE	
		R616	RD562J26	RESISTOR,CARBON FILM	R,CARBON 5.6K-J 1/6W 5MM TAPE	
		R617	RD101J26	RESISTOR,CARBON FILM	R,CARBON 100-J 1/6W 5MM TAPE	
		R618	RD183J26	RESISTOR,CARBON FILM	R,CARBON 18K-J 1/6W 5MM TAPE	
		R619	RD150J26	RESISTOR,CARBON FILM	R,CARBON 15-J 1/6W 5MM TAPE	
		R620	RD103J26	RESISTOR,CARBON FILM	R,CARBON 10K-J 1/6W 5MM TAPE	
		R625	RD103J26	RESISTOR,CARBON FILM	R,CARBON 10K-J 1/6W 5MM TAPE	
		R641	RD393J26	RESISTOR,CARBON FILM	R,CARBON 39K-J 1/6W 5MM TAPE	
		R642	RD823J26	RESISTOR,CARBON FILM	R,CARBON 82K-J 1/6W 5MM TAPE	
		R643	RD223J26	RESISTOR,CARBON FILM	R,CARBON 22K-J 1/6W 5MM TAPE	
		R644	RD101J26	RESISTOR,CARBON FILM	R,CARBON 100-J 1/6W 5MM TAPE	
		R645	RD102J26	RESISTOR,CARBON FILM	R,CARBON 1K-J 1/6W 5MM TAPE	
		R646	RD223J26	RESISTOR,CARBON FILM	R,CARBON 22K-J 1/6W 5MM TAPE	
		R647	RD273J26	RESISTOR,CARBON FILM	R,CARBON 27K-J 1/6W 5MM TAPE	
		R648	RD273J26	RESISTOR,CARBON FILM	R,CARBON 27K-J 1/6W 5MM TAPE	
		R650	RD103J22	RESISTOR,CARBON FILM	R,CARBON FILM 10K-J 1/4W TAPE	
		R651	RD184J26	RESISTOR,CARBON FILM	R,CARBON 180K-J 1/6W 5MM TAPE	
		R701	RD102J26	RESISTOR,CARBON FILM	R,CARBON 1K-J 1/6W 5MM TAPE	
		R702	RD822J26	RESISTOR,CARBON FILM	R,CARBON 8.2K-J 1/6W 5MM TAPE	
		R703	RD564J26	RESISTOR,CARBON FILM	R,CARBON 560K-J 1/6W 5MM TAPE	
		R704	RD560J26	RESISTOR,CARBON FILM	R,CARBON 56-J 1/6W 5MM TAPE	
		R712	RD102J26	RESISTOR,CARBON FILM	R,CARBON 1K-J 1/6W 5MM TAPE	
		R713	RD102J26	RESISTOR,CARBON FILM	R,CARBON 1K-J 1/6W 5MM TAPE	
		R714	RD474J26	RESISTOR,CARBON FILM	R, CARBON 470K-J 1/6W 5MM TAP	
		R715	RD102J26	RESISTOR,CARBON FILM	R,CARBON 1K-J 1/6W 5MM TAPE	
		R716	RD822J26	RESISTOR,CARBON FILM	R,CARBON 8.2K-J 1/6W 5MM TAPE	
		R717	RD822J26	RESISTOR,CARBON FILM	R,CARBON 8.2K-J 1/6W 5MM TAPE	
		R718	RD102J26	RESISTOR,CARBON FILM	R,CARBON 1K-J 1/6W 5MM TAPE	

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S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		R800	RD391J26	RESISTOR,CARBON FILM	R,CARBON 390-J 1/6W 5MM TAPE	
		R801	RD470J22	RESISTOR,CARBON FILM	R,CARBON FILM 47-J 1/4W TAPE	
		R802	RD470J22	RESISTOR,CARBON FILM	R,CARBON FILM 47-J 1/4W TAPE	
		R803	RD102J26	RESISTOR,CARBON FILM	R,CARBON 1K-J 1/6W 5MM TAPE	
		R804	RD333J26	RESISTOR,CARBON FILM	R,CARBON 33K-J 1/6W 5MM TAPE	
		R805	RJ223J26	RESISTOR,CARBON FILM	R,CARBON 22K-J 1/6W 5MM TAPE	
		R806	RD333J26	RESISTOR,CARBON FILM	R,CARBON 33K-J 1/6W 5MM TAPE	
		R807	RD333J26	RESISTOR,CARBON FILM	R,CARBON 33K-J 1/6W 5MM TAPE	
		R808	RD153J26	RESISTOR,CARBON FILM	R,CARBON 15K-J 1/6W 5MM TAPE	
		R809	RD103J26	RESISTOR,CARBON FILM	R,CARBON 10K-J 1/6W 5MM TAPE	
		R810	RD153J26	RESISTOR,CARBON FILM	R,CARBON 15K-J 1/6W 5MM TAPE	
		R811	RD103J26	RESISTOR,CARBON FILM	R,CARBON 10K-J 1/6W 5MM TAPE	
		R812	RD182J22	RESISTOR,CARBON FILM	R,CARBON FILM 1.8K-J 1/4W TAP	
		R814	RD473J26	RESISTOR,CARBON FILM	R,CARBON 47K-J 1/6W 5MM TAPE	
		R820	RD123J26	RESISTOR,CARBON FILM	R,CARBON 12K-J 1/6W 5MM TAPE	
		R821	RD822J26	RESISTOR,CARBON FILM	R,CARBON 8.2K-J 1/6W 5MM TAPE	
		R822	RD123J26	RESISTOR,CARBON FILM	R,CARBON 12K-J 1/6W 5MM TAPE	
		R823	RD223J26	RESISTOR,CARBON FILM	R,CARBON 22K-J 1/6W 5MM TAPE	
		R824	RD104J26	RESISTOR,CARBON FILM	R,CARBON 100K-J 1/6W 5MM TAPE	
		R826	RD103J26	RESISTOR,CARBON FILM	R,CARBON 10K-J 1/6W 5MM TAPE	
		R828	RD105J26	RESISTOR,CARBON FILM	R,CARBON 1M-J 1/6W 5MM TAPE	
		R830	RD333J26	RESISTOR,CARBON FILM	R,CARBON 33K-J 1/6W 5MM TAPE	
		R831	RD273J26	RESISTOR,CARBON FILM	R,CARBON 27K-J 1/6W 5MM TAPE	
		R832	RD103J26	RESISTOR,CARBON FILM	R,CARBON 10K-J 1/6W 5MM TAPE	
		R834	RD104J26	RESISTOR,CARBON FILM	R,CARBON 100K-J 1/6W 5MM TAPE	
		R835	RD123J26	RESISTOR,CARBON FILM	R,CARBON 12K-J 1/6W 5MM TAPE	
		R836	RD823J26	RESISTOR,CARBON FILM	R,CARBON 82K-J 1/6W 5MM TAPE	
		R837	RD473J26	RESISTOR,CARBON FILM	R,CARBON 47K-J 1/6W 5MM TAPE	
		R838	RD154J26	RESISTOR,CARBON FILM	R,CARBON 150K-J 1/6W 5MM TAPE	
		R839	RD103J26	RESISTOR,CARBON FILM	R,CARBON 10K-J 1/6W 5MM TAPE	
		R840	RD474J26	RESISTOR,CARBON FILM	R,CARBON 470K-J 1/6W 5MM TAP	
		R845	RD331J26	RESISTOR,CARBON FILM	R,CARBON 330-J 1/6W 5MM TAPE	
		R846	RD224J26	RESISTOR,CARBON FILM	R,CARBON 220K-J 1/6W 5MM TAP	
		R847	RD333J26	RESISTOR,CARBON FILM	R,CARBON 33K-J 1/6W 5MM TAPE	
		R848	RD333J26	RESISTOR,CARBON FILM	R,CARBON 33K-J 1/6W 5MM TAPE	
		R849	RD102J26	RESISTOR,CARBON FILM	R,CARBON 1K-J 1/6W 5MM TAPE	
		R850	RD272J26	RESISTOR,CARBON FILM	R,CARBON 2.7K -J 1/6W 5MM TAP	
		R851	RD105J26	RESISTOR,CARBON FILM	R,CARBON 1M-J 1/6W 5MM TAPE	
		R853	RD104J26	RESISTOR,CARBON FILM	R,CARBON 100K-J 1/6W 5MM TAPE	
		R854	RD682J26	RESISTOR,CARBON FILM	R,CARBON 6.8K-J 1/6W 5MM TAPE	
		R859	RD330J22	RESISTOR,CARBON FILM	R,CARBON FILM 33-J 1/4W TAPE	
		R861	RD222J26	RESISTOR,CARBON FILM	R,CARBON 2.2K-J 1/6W 5MM TAPE	
		R862	RD183J26	RESISTOR,CARBON FILM	R,CARBON 18K-J 1/6W 5MM TAPE	
		R863	RD104J26	RESISTOR,CARBON FILM	R,CARBON 100K-J 1/6W 5MM TAPE	
		R864	RD274J26	RESISTOR,CARBON FILM	R,CARBON 270K-J 1/6W 5MM TAPE	
		R867	RD122J26	RESISTOR,CARBON FILM	R,CARBON 1.2K-J 1/6W 5MM TAPE	
		R868	RD511J26	R,CARBON FILM 510-J 1/6W TA		
		R869	RD105J26	RESISTOR,CARBON FILM	R,CARBON 1M-J 1/6W 5MM TAPE	
		R871	RD222J26	RESISTOR,CARBON FILM	R,CARBON 2.2K-J 1/6W 5MM TAPE	
		R872	RD183J26	RESISTOR,CARBON FILM	R,CARBON 18K-J 1/6W 5MM TAPE	

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S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		R873	RD104J26	RESISTOR,CARBON FILM	R,CARBON 100K-J 1/6W 5MM TAPE	
		R874	RD274J26	RESISTOR,CARBON FILM	R,CARBON 270K-J 1/6W 5MM TAPE	
		R875	RD103J26	RESISTOR,CARBON FILM	R,CARBON 10K-J 1/6W 5MM TAPE	
		R876	RD822J26	RESISTOR,CARBON FILM	R,CARBON 8.2K-J 1/6W 5MM TAPE	
		R877	RD122J26	RESISTOR,CARBON FILM	R,CARBON 1.2K-J 1/6W 5MM TAPE	
		R878	RD511J26	R,CARBON FILM 510-J 1/6W TA		
		R879	RD105J26	RESISTOR,CARBON FILM	R,CARBON 1M-J 1/6W 5MM TAPE	
		R880	RD104J26	RESISTOR,CARBON FILM	R,CARBON 100K-J 1/6W 5MM TAPE	
		R882	RD123J26	RESISTOR,CARBON FILM	R,CARBON 12K-J 1/6W 5MM TAPE	
		R883	RD123J26	RESISTOR,CARBON FILM	R,CARBON 12K-J 1/6W 5MM TAPE	
		R884	RD473J26	RESISTOR,CARBON FILM	R,CARBON 47K-J 1/6W 5MM TAPE	
		R885	RD123J22	RESISTOR,CARBON FILM	R,CARBON FILM 12K-J 1/4W TAPE	
		R886	RD123J26	RESISTOR,CARBON FILM	R,CARBON 12K-J 1/6W 5MM TAPE	
		R887	RD102J26	RESISTOR,CARBON FILM	R,CARBON 1K-J 1/6W 5MM TAPE	
		R888	RD102J26	RESISTOR,CARBON FILM	R,CARBON 1K-J 1/6W 5MM TAPE	
		R890	RD104J26	RESISTOR,CARBON FILM	R,CARBON 100K-J 1/6W 5MM TAPE	
		R891	RD472J26	RESISTOR,CARBON FILM	R,CARBON 4.7K -J 1/6W 5MM TAP	
		R892	RD472J26	RESISTOR,CARBON FILM	R,CARBON 4.7K -J 1/6W 5MM TAP	
		R900	RD103J26	RESISTOR,CARBON FILM	R,CARBON 10K-J 1/6W 5MM TAPE	
		R901	RD153J26	RESISTOR,CARBON FILM	R,CARBON 15K-J 1/6W 5MM TAPE	
		R902	RD153J26	RESISTOR,CARBON FILM	R,CARBON 15K-J 1/6W 5MM TAPE	
		R903	RD103J26	RESISTOR,CARBON FILM	R,CARBON 10K-J 1/6W 5MM TAPE	
		R905	RD153J26	RESISTOR,CARBON FILM	R,CARBON 15K-J 1/6W 5MM TAPE	
		R906	RD153J26	RESISTOR,CARBON FILM	R,CARBON 15K-J 1/6W 5MM TAPE	
		R907	RD103J26	RESISTOR,CARBON FILM	R,CARBON 10K-J 1/6W 5MM TAPE	
		R908	RD331J26	RESISTOR,CARBON FILM	R,CARBON 330-J 1/6W 5MM TAPE	
		R920	RD104J26	RESISTOR,CARBON FILM	R,CARBON 100K-J 1/6W 5MM TAPE	
		R921	RN394F26	RESISTOR,METAL FILM	390K-F 1/6W TAPPING	
		R922	RN224F26	RESISTOR,METAL FILM	220K-F 1/6W TAPPING	
		R923	RD104J26	RESISTOR,CARBON FILM	R,CARBON 100K-J 1/6W 5MM TAPE	
		R926	RD183J26	RESISTOR,CARBON FILM	R,CARBON 18K-J 1/6W 5MM TAPE	
		R927	RD473J26	RESISTOR,CARBON FILM	R,CARBON 47K-J 1/6W 5MM TAPE	
		R928	RD153J26	RESISTOR,CARBON FILM	R,CARBON 15K-J 1/6W 5MM TAPE	
		R929	RD153J26	RESISTOR,CARBON FILM	R,CARBON 15K-J 1/6W 5MM TAPE	
		R930	RD473J26	RESISTOR,CARBON FILM	R,CARBON 47K-J 1/6W 5MM TAPE	
		R931	RD153J26	RESISTOR,CARBON FILM	R,CARBON 15K-J 1/6W 5MM TAPE	
		R941	RD223J26	RESISTOR,CARBON FILM	R,CARBON 22K-J 1/6W 5MM TAPE	
		R942	RD104J26	RESISTOR,CARBON FILM	R,CARBON 100K-J 1/6W 5MM TAPE	
		R943	RD104J26	RESISTOR,CARBON FILM	R,CARBON 100K-J 1/6W 5MM TAPE	
		R954	RD391J26	RESISTOR,CARBON FILM	R,CARBON 390-J 1/6W 5MM TAPE	
		R955	RD391J26	RESISTOR,CARBON FILM	R,CARBON 390-J 1/6W 5MM TAPE	
		R960	RD105J26	RESISTOR,CARBON FILM	R,CARBON 1M-J 1/6W 5MM TAPE	
		R964	RD105J26	RESISTOR,CARBON FILM	R,CARBON 1M-J 1/6W 5MM TAPE	
		R965	RD472J26	RESISTOR,CARBON FILM	R,CARBON 4.7K -J 1/6W 5MM TAP	
		R971	RD473J26	RESISTOR,CARBON FILM	R,CARBON 47K-J 1/6W 5MM TAPE	
		R972	RD473J22	RESISTOR,CARBON FILM	R,CARBON FILM 47K-J 1/4W TAPE	
		R973	RD473J22	RESISTOR,CARBON FILM	R,CARBON FILM 47K-J 1/4W TAPE	
		R975	RD563J26	RESISTOR,CARBON FILM	R,CARBON 56K-J 1/6W 5MM TAPE	
		R976	RD563J26	RESISTOR,CARBON FILM	R,CARBON 56K-J 1/6W 5MM TAPE	
		R978	RD103J26	RESISTOR,CARBON FILM	R,CARBON 10K-J 1/6W 5MM TAPE	



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		R979	RD102J26	RESISTOR,CARBON FILM	R,CARBON 1K-J 1/6W 5MM TAPE	
		R982	RD102J24	RESISTOR,CARBON FILM	R,CARBON FILM 1K-J 1/6WM P=5	
		R985	RD222J26	RESISTOR,CARBON FILM	R,CARBON 2.2K-J 1/6W 5MM TAPE	
		SK501	577-008F	SOCKET	SOCKET,AC-IN HSC1466-01-3001	
		SP401	541-218D	SPEAKER	120L15K1451 (CX-33W)	
		SP451	541-218D	SPEAKER	120L15K1451 (CX-33W)	
		ST	653-026A	LED	D,KLR124E,RD KEC	
		SW1	556-620D	SWITCH LEVER	*SW,LEVER SLY384(S)H12.5 15U/	
		SW3	556-620A	SWITCH LEVER	*SW,LEVER SLY343(S)H12.5 15U/	
		SW4	552-606E	SWITCH SLIDE	SW,SLIDE CL210J(N) W-S	
		SW5	556-620A	SWITCH LEVER	*SW,LEVER SLY343(S)H12.5 15U/	
		SW6	552-614A	SWITCH SLIDE	*SW,SLIDE KSA2317(S)L7N T2.5	
		SW901	558-908A	SWITCH SPECIAL	SW TACT KH10902 DAD	
		SW902	558-908A	SWITCH SPECIAL	SW TACT KH10902 DAD	
		SW903	558-908A	SWITCH SPECIAL	SW TACT KH10902 DAD	
		SW904	558-908A	SWITCH SPECIAL	SW TACT KH10902 DAD	
		SW905	558-908A	SWITCH SPECIAL	SW TACT KH10902 DAD	
		SW906	558-908A	SWITCH SPECIAL	SW TACT KH10902 DAD	
		SW907	558-908A	SWITCH SPECIAL	SW TACT KH10902 DAD	
		SW908	558-908A	SWITCH SPECIAL	SW TACT KH10902 DAD	
		SW909	558-908A	SWITCH SPECIAL	SW TACT KH10902 DAD	
		SW910	558-908A	SWITCH SPECIAL	SW TACT KH10902 DAD	
		SW911	558-908A	SWITCH SPECIAL	SW TACT KH10902 DAD	
		SW912	558-908A	SWITCH SPECIAL	SW TACT KH10902 DAD	
		SW951	554-639A	SWITCH PUSH	,PUSH SPH221A(N)H6.5 SELF-L	
		TC5	623-001F	TRIMMER	*TRIMMER, C CVN620 DONG-KUK	
		TC6	623-001F	TRIMMER	*TRIMMER, C CVN620 DONG-KUK	
		T1	644-018G	TRANS,IF,FM		
		T2	644-039P	TRANS IF MW 7		
		T3	647-011F	DISCRIMINATOR	*COIL, DISC 7	
		T501	641-793D	TRANS POWER	240V 50HZ BU415/SAA 6W TK	
		T601	634-612B	COIL OSCILLATOR	COIL,OSC TAPE 7	
		VC1	622-012B	VARICON POLY	*VARICON,P P2S-22BPT,A/C-H OH	
		VR401	612-628D	RESISTOR SLIDE	EWA-SA2T50B15,B100KX2(626D)(S	
		VR402	612-628I	RESISTOR SLIDE	EWA-SCN50D54-D50KX2	
		VR404	611-646F	RESISTOR VARIABLE	VR,W/MOTOR RK16Y12MA-100KBX2	
		VR701	612-628B	RESISTOR SLIDE	EWA-SENT50A24,A20KX2 (626B)(S	
		VR801	613-006C	RESISTOR SEMI-FIXED	SEMI FIXED H0614-22K	
		VR802	613-006F	RESISTOR SEMI-FIXED	VR,SEMI-FIXED H0614-2.2K	
		X801	617T602H	CRYSTAL	34.5744MHZ	
		X960	617-602F	CRYSTAL	CRYSTAL,32,768KHZ	
		X961	616-020M	FILTER CERAMIC	CSA4.00MG MURATA	
		ZD801	654T722F	DIODE BIASING	DIODE,ZENER DZ3.3B(TP-B) (S	
		ZD901	654T723A	DIODE BIASING	*DIODE,ZENER DZ5.6B,M(TP-B)	
		ZD902	654T722B	DIODE BIASING	*DIODE,ZENER UZ3.9B(UZ3.9B)	
		ZD951	654T723C	DIODE BIASING	*DIODE,ZENER UZ6.8B,M(TP-B)	
				*** END OF DATA ***		

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Roadstar SA

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